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सत्यमेव जयते  
Ministry of Defence  
Government of India

**REQUEST FOR PROPOSAL**

**BY**

**MINISTRY OF DEFENCE**

**GOVERNMENT OF INDIA**

**FOR PROCUREMENT OF QUANTITY SIXTY-NINE (69) NUMBERS UNIVERSAL DRIVING  
SIMULATORS WITH ACCESSORIES THROUGH FAST TRACK PROCEDURE UNDER  
EMERGENCY PROCUREMENT**

**CATEGORY: BUY (INDIAN-IDDM)**

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The contents of this RFP must not be disclosed to unauthorised persons and  
must be used only for the purpose of submission of Bids.

**This document contains Seventy-Eight (78) pages including cover page and Appendices.**

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File No: 75551/Q/ST-11 (UD Sml)

**Directorate General of Supplies & Transport**  
General Staff Branch

Integrated Head Quarters of MoD (Army)

**Room No - 323, A Wing, Sena Bhawan**  
New Delhi -110011

16 Dec 2022

To

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**REQUEST FOR TECHNICAL AND COMMERCIAL PROPOSAL FOR PROCUREMENT OF QUANTITY SIXTY-NINE (69) NUMBERS UNIVERSAL DRIVING SIMULATORS WITH ACCESSORIES THROUGH FAST TRACK PROCEDURE UNDER EMERGENCY PROCUREMENT CATEGORY: BUY (INDIAN-IDDM)**

Dear Sir/Madam,

1. The Ministry of Defence, Government of India, intends to procure **Sixty-Nine (69) Numbers Universal Driving Simulators with accessories** through Fast Track Procedure under Emergency Procurement and seeks participation in the procurement process from prospective Bidders subject to requirements in succeeding paragraphs.

**Synopsis**

2. **Broad Description of Equipment/ System.** The universal driving simulator will be built with real interiors and controls integrated with the software. A **6 DOF** Electric Motion Platform for realistic driving experience for the trainee. There will be **one instructor station controlling two simulator Stations.** The Visual Display system will comprise of Large projection screen with three projectors giving a panoramic view to the driver. Graphics to provide requisite visual cues for change in vehicle speed and relative change in distance w.r.t Traffic.

3. The salient aspects and timelines of the acquisition are tabulated below. In case of any variation in the details furnished below or in any Annexure(s) with that mentioned in the RFP, information furnished in the main body of the RFP at referred Paragraph is to be followed :-

<b>Ser No</b>	<b>Description</b>	<b>Details</b>	<b>Reference Para of the RFP</b>
(a)	Equipment/System required	<b>Universal Driving Simulators with accessories</b>	Heading and Para 1 of covering letter
(b)	Quantity Required	Sixty Nine (69)	Heading and Para 1 of covering letter
(c)	Categorisation of Procurement	Buy (Indian-IDDM)	Heading and Para 1 of covering letter
(d)	Minimum IC Content required	As per Para 8 of Chapter I of DAP 2020	Para 7 of RFP

Ser No	Description	Details	Reference Para of the RFP
(e)	Place(s) of Delivery	<p>Recruit Training Group, Armoured Corps Centre and School, <b>Ahmednagar, Maharashtra</b></p> <p>Mechanised Infantry Regimental Centre, <b>Ahmednagar, Maharashtra</b></p> <p>GUARDS Regimental Centre, <b>Kamptee, Maharashtra</b></p> <p>Artillery Regimental Centre, <b>Hyderabad, Telangana</b></p> <p>Artillery Regimental Centre, <b>Nashik Road, Maharashtra</b></p> <p>Madras Engineering Group, <b>Bangaluru, Karnataka</b></p> <p>Bombay Engineering Group, <b>Roorkee, UP</b></p> <p>Bombay Engineering Group, <b>Kirkee, Maharashtra</b></p> <p>1 Electronics and Mechanical Regimental Centre, <b>Secundrabad, Telangana</b></p> <p>3 Electronics and Mechanical Regimental Centre, <b>Bhopal, MP</b></p> <p>Corps of Military Police Centre, <b>Bangaluru, Karnataka</b></p>	Para 1.1.1 of Appx H
(f)	Warranty Period	Thirty Six (36) months	Para 11 of RFP
(g)	CMC Period	Four (04) years	Para 33 of RFP
(h)	EMD Amount	Nil	
(j)	Last date for submission of Pre-bid queries	22 Dec 2022 (Thursday)	Para 21 of RFP

Ser No	Description	Details	Reference Para of the RFP
(k)	Date and time for Pre-bid meeting	26 Dec 2022 (Monday), 1200-1300 hrs	Para 22 of RFP
(l)	Last date and time for Bid Submission	04 Jan 2023 (Wednesday), 1700 hrs	Para 23 of RFP

4. **Special Features of the RFP.** The procurement case is processed under Buy (Indian-IDD) category as per Para 8 of Chapter I and through Fast Track Procedure of Chapter V of DAP-2020. The procurement is being carried out through Open Tender Enquiry. Demonstration of the Equipment to be carried out on 'No Cost No Commitment' basis, at vendor premises or as decided by Empowered Committee (EC). **Delivery of equipment contracted shall be completed within 12 months from the date of signing of contract.**

5. This Request for Proposal (RFP) consists of following four parts: -

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The Government of India invites responses to this request only from Original Equipment Manufacturers (OEM) or Authorised Vendors or Government Sponsored Export Agencies (applicable in the case of countries where domestic laws do not permit direct export by OEM) subject to the condition that in cases where the same equipment is offered by more than one of the aforementioned parties, preference would be given to the OEM.

7. The end user of the equipment is the **Indian Army**.

8. This RFP is being issued with no financial commitment; and the Ministry of Defence reserves the right to withdraw the RFP and change or vary any part thereof or foreclose the procurement case at any stage. The Government of India also reserves the right to disqualify any Bidder should it be so necessary at any stage on grounds of National Security.

9. In addition to various Appendices and their Annexures, attached with this RFP, reference to various paragraphs of DAP-2020 has been made in the RFP. The DAP -2020 is an open domain that is available at GoI, MoD website [www.mod.nic.in](http://www.mod.nic.in).



Yours faithfully,

(Ashok Choudhary)  
Major General  
Chairman  
Empowered Committee

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**Disclaimer**

This RFP is neither an agreement and nor an offer by the MoD to the prospective Bidders or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in submitting their proposals pursuant to this RFP. This RFP includes statements, which reflect various assumptions and assessments arrived at by the MoD in relation to the Project. This RFP document and any assumptions, assessments and statements made herein do not purport to contain all the information that each Bidder may require. The Bidder shall bear all its costs associated with or relating to the preparation and submission of proposal pursuant to this RFP. Wherever necessary, MoD reserves the right to amend or supplement the information, assessment or assumptions contained in this RFP. The MoD reserves the right to withdraw the RFP or foreclose the procurement case at any stage. The issuance of this RFP does not imply that the MoD is bound to shortlist a Bidder for the Project. The MoD also reserves the right to disqualify any Bidder should it be so necessary at any stage on grounds of National Security.

## **PART I – GENERAL REQUIREMENTS**

1. This part consists of the general requirement of the Goods (also referred as equipment/ systems/ deliverables) and Services, hereafter collectively referred as 'Deliverables', the numbers required, the time frame for deliveries, conditions of usage and maintenance, requirement for training, Engineering Support Package (ESP) and warranty/ guarantee conditions, etc. It includes the procedure and the date & time for submission of bids.

### **Non-Disclosure**

2. The Bidding documents, including this RFP and all attached documents provided by the MoD, are and shall remain or become the property of the MoD. These are transmitted to the Bidders solely for the purpose of preparation and the submission of a proposal in accordance herewith. Bidders are to treat all information as strictly confidential and shall not use it for any purpose other than for preparation and submission of their proposal. The provisions of this Para shall also apply mutatis mutandis to Bids and all other documents submitted by the Bidders, and the MoD will not return to the Bidders any proposal, document or any information provided along therewith (except unopened Commercial Bid as relevant).

3. Information relating to the examination, clarification, evaluation and recommendation for the Bidder shall not be disclosed to any person who is not officially concerned with the process, or concerning the Bidding Process. The MoD will treat all information, submitted as part of the Bid, in confidence and will require all those who have access to such material to treat the same in confidence. MoD may not divulge any such information unless it is directed to do so by any statutory entity that has the power under law to require its disclosure or is to enforce or assert any right or privilege of the statutory entity and/ or MoD or as may be required by law or in connection with any legal process.

4. **Confidentiality of Information.** No party shall disclose any information to any 'Third Party' concerning the matters under this RFP generally. In particular, any information identified as 'Proprietary' in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party. This clause shall apply to the sub-contractors, consultants, advisors or the employees engaged by a party with equal force.

### **Business Eligibility**

5(a). **Undertaking by Bidders.** The Bidder will submit an undertaking that they are currently not banned/ debarred/ suspended from doing business dealings with Government of India/ any other government organisation and that there is no investigation going on by MoD against them. In case of ever having been banned/ debarred/ suspended from doing business dealings with MoD/ any other government organization, in the past, the Bidder will furnish details of such ban/ debarment along with copy of government letter under which this ban / debarment / suspension was lifted / revoked. The Bidder shall also declare that their sub-contractor(s)/supplier(s)/technology partner(s) are not Suspended or Debarred by Ministry of Defence. In case the sub-contractor(s)/ supplier(s)/ technology partner(s) of the Bidder are Suspended or Debarred by Ministry of Defence, the Bidder shall indicate the same with justification for participation of such sub-contractor(s)/supplier(s)/ technology partner(s) in the procurement case.

5(b). Subsequent to submission of bids if any sub-contractor(s)/supplier(s)/technology partner(s) of the Bidder is Suspended or Debarred by Ministry of Defence, the Bidder shall intimate the Ministry of Defence regarding Suspension or Debarment of its sub-contractor(s)/supplier(s)/technology partner(s) within two weeks of such order being made public.

6. **Pre-Qualification Criteria {for multi-vendor cases in Buy (Indian-IDDM)}**. The detailed Pre-Qualification criteria for the Bidders for participation in the instant procurement case are placed at **Appendix L** to this RFP. All Bidders are to submit details as per the criteria along with the Technical Bids. These would be evaluated by the Empowered Committee or the representatives nominated by the Empowered Committee.

7. **Indigenous Content**. For the purposes of this RFP and the acquisition contract (if any) signed by the Ministry of Defence with a successful Bidder, indigenous content shall be as defined under **Para 8 of Chapter I** and **Para 1 of Appendix B to Chapter I of DAP 2020**. In addition, reporting requirements for prime (main) Bidders (and for sub-contractors/suppliers/technology partners reporting to higher stages/tiers) shall be as prescribed under **Para 4 to 7 of Appendix B to Chapter I of DAP 2020**. The right to verification of Bidder/ sub-contractors/suppliers/technology partners shall vest in the Ministry of Defence as prescribed under **Para 10 of Appendix B to Chapter I of DAP 2020**; and aspects of delivery, certification, payments, withholding of payments and imposition of penalties shall be as prescribed under **Para 11 to 15 of Appendix B to Chapter I of DAP 2020**. Furthermore, Bidders in 'Buy (Indian IDDM)' (for Indian vendors) will be required to submit their indigenisation plan in respect of indigenous content as stipulated in **Para 4 to 7 of Appendix B to Chapter I of DAP 2020**. The DAP 2020 is available at MoD, Gol website ([www.mod.nic.in](http://www.mod.nic.in)) for reference and free download.

8. **Year of Production**. Deliverables (including major equipment/ equipment/ systems) supplied under the contract should be of latest manufacture i.e manufactured after the date of Contract with unused components/assemblies/sub-assemblies, conforming to the current production standard and should have 100% of the defined life at the time of delivery. Deviations, if any, should be clearly brought out by the Bidder in the Technical Proposal.

9. **Delivery Schedule**. The delivery schedule of all deliverables along with the relevant payment stages is specified at **Annexure V to Appendix H**.

10. Once the contract is concluded and the delivery schedule is established, the Bidder shall adhere to it and ensure continuity of supply of deliverables and their components under the contract.

11. **Warranty**. The deliverables supplied shall carry an **onsite Comprehensive warranty for Thirty-Six (36) months**. Commencement of warranty will be from the date of acceptance post JRI and installation & commissioning. The cost towards all scheduled servicing during warranty period shall be borne by the Seller to include consumables, spares, labour, oils, greases and lubricants etc. Warranty Clause is given at **Appendix C** to this RFP. **The terms of warranty and OEM/ Seller Contact Details including phone number and email should be mentioned in the User Hand Book (UHB). The date from which warranty is applicable (duly endorsed by representative of both Buyer & Seller) should be mentioned in respective log book and User Hand Book of the main equipment and accessories.**



12. **In-Service Life.** The In-Service Life of the Universal Driving Simulators with accessories is not less than **10 years**. The Bidder is required to give details of reliability model, reliability prediction and its validation by designer/manufacture to ensure reliability of stores throughout Service life. The efficacy of reliability model/prediction/validation would be verified during Technical Evaluation/ demonstration as indicated in **Para 35** of this RFP.

13(a). **Product Support.** The Bidder would be bound by a condition in the contract that he is in a position to provide product support in terms of maintenance, materials and spares for a minimum period of **15 years**. Even after the said mandatory period, the Bidder would be bound to give at least two years notice to the Government of India prior to closing the production line so as to enable a Lifetime Buy of all spares before closure of the said production line. This, however, shall not restrict the Buyer from directly sourcing sub-equipment/sub-assembly and spares from their respective OEMs/ sub-vendors on completion of warranty. In case the sub-equipment/ sub-assembly/ parts require tuning/ calibration/ integration by the Bidder prior replacement, **the same is to be undertaken by the Bidder at fair and reasonable cost, as mutually agreed between Buyer and Bidder.** OEM/ Bidder(s) to ensure maximum possible use of oils, lubricants and greases which are indigenously available. Further, the OEM/ Bidder(s) is mandated to share the detailed specifications of oils, lubricants and greases alongwith their sources of supply and contact details of suppliers alongwith technical bid.

13(b). **Codification.** The vendor/ supplier/ seller shall provide NATO Stock Number (NSN) for each of the item/ part/ equipment in the bill of material, MRLS and Jigs/ Fixtures duly linked to the OEM Part No using NATO Codification system (NCS) adopted by DDP/ Dte of Standardisation (DOS) with DoS functioning as National Codification Bureau (NCB), India. In case the NSN number is not available, vendor shall obtain the relevant Technical data and cataloging information and initiate the process for codification in consultation with DoS. **The Seller should provide the codification before the completion of warranty period.**

14. **Training of Crew, Maintenance and QA Personnel.** A training package for training of operators to undertake operation would be required to be carried out in English language and Hindi language. **This training shall be designed to give the operators necessary knowledge and skills to operate the equipment at field level.** The syllabus for operators will be defined by the Bidder in consultation with the Buyer at the time of Contract Negotiation. The training will be imparted to the satisfaction of the Buyer and Bidder will ensure that the training content and period will be to impart working proficiency up to the required level. All training requirements such as training aids, projection system, complete equipment with accessories/ optional, technical literature, spares, test equipment/ test set up, charts, training handouts, power point presentations, Computer Based Training (CBT), Documentation, Simulators etc will be catered by the Bidder.

15. The Bidder would provide the following training to the personnel of the Buyer based on agreed terms of contract: -

Ser No	Training Location	Type of Trg	Duration (Days per batch)	No of Batches	Total No of Personnel	Remarks
<b><u>User / Operator Training</u></b>						
(a)	<b>OEM Premises</b>	-	07 working days	01	28	Training to be conducted approx. one month prior to delivery of 1 <sup>st</sup> lot of main equipment

**Note.** The training to enable the user/ operators to effectively operate the equipment and its accessories in field conditions.

16. **Government Regulations.** It may be confirmed that there are no Government restrictions or limitations in the country of the Bidder or countries from which subcomponents are being procured and/or for the export of any part of the deliverables being supplied.

17. It may be further confirmed that all national and international obligations relevant to transfer of conventional arms of the country of the supplier or countries from which parts and components are being procured, have been taken into account for the duration of the contract. Accordingly, thereafter there would be no review, revocation or suppression of Defence export licence and other related clearance issues to the supplier for the contract that could impinge on the continuity of supply of items and their parts or components under the contract.

18. **Patent Rights.** The Bidder should confirm that there are no infringements of any Patent Rights in accordance with the laws prevailing in their respective countries.

19. **Integrity Pact.** In the subject RFP, the Bidder is required to sign and submit Pre Contract Integrity Pact (PCIP), **if applicable**, given at **Annexure I to Appendix K** to this RFP.

20. **Fall Clause.** If the equipment being offered by the Bidder has been supplied/contracted with any organisation, public/private in India, the details of the same may be furnished in the technical as well as commercial offers. The Bidders are required to give a written undertaking that they have not supplied/is not supplying the similar systems or subsystems at a price lower than that offered in the present bid to any other Ministry/Department of the Government of India and if the similar system has been supplied at a lower price, then the details regarding the cost, time of supply and quantities be included as part of the commercial offer. In case of non-disclosure, if it is found at any stage that the similar system or subsystem was supplied by the Bidder to any other Ministry/Department of the Government of India at a lower price, then that very price, will be applicable to the present case and with due allowance for elapsed time, the difference in the cost would be refunded to the Buyer, if the contract has already been concluded.

**Bid Timelines**

21. Any queries/ clarifications to this RFP may be sent by **22 Dec 2022 (Thursday)** to: -

**Directorate General of Supplies & Transport  
Integrated HQ of MoD (Army)  
Room No – 323, A Wing, Sena Bhawan  
New Delhi – 110011  
Tele & Fax No: 011–23018592**

22. **Pre-Bid Meeting**. A pre-bid meeting will be organised by SHQ at **1200 hrs** on **26 Dec 2022 (Monday)** at the address given at **Para 21** above to answer any queries or clarify doubts regarding submission of proposals. The Bidder or his authorised representative is requested to attend. Necessary details may be sent a week in advance to the address given at **Para 21** above , to facilitate obtaining of security clearance.

23. **Submission of Bids**. The Technical and Commercial Proposals along with IP should be sealed separately in three separate envelopes clearly indicating Commercial/ Technical/ IP **and any other Bank Guarantee** as applicable, and then put in one envelope and sealed (**all the envelopes should clearly state the letter No of RFP and the name of equipment and Bidder name**) and submitted to the undersigned at the following address by **1700 hours on 04 Jan 2023 (Wednesday)**:-

**Directorate General of Supplies & Transport  
Integrated HQ of MoD (Army)  
Room No – 323, A Wing, Sena Bhawan  
New Delhi – 110011  
Tele & Fax No: 011–23018592**

24. Offer opening by an Offer opening committee nominated by EC will be held at **1100 hrs on 05 Jan 2023 (Thursday)** at the same venue as indicated at **Para 23** above. The Bidder or his authorised representative is welcome to be present at the opening of the proposals. Necessary details may be sent atleast one week in advance to facilitate obtaining of security clearance.

## **PART II – TECHNICAL REQUIREMENTS**

25. The second part of the RFP incorporates the aspects of SQRs describing the technical parameters of the proposed equipment, and the environmental parameters for functioning. The operational characteristics and features that should be met by the equipment are elucidated at **Appendix A** to this RFP and the Compliance Table at **Appendix B** to this RFP. The Bidder would be required to offer the equipment for Demonstration/ evaluation on a “No Cost No Commitment” basis in India.

26. **Operational Characteristics and Features.** The broad operational characteristics and features that are to be met by the equipment are elucidated at **Appendix A** to this RFP.

27. **Technical Offer.** The Technical Offer must enable detailed understanding of the functioning and characteristics of the equipment as a whole and each sub system independently. It must include the performance parameters as listed at **Appendix A** to this RFP and any other information pertaining to the technical specifications of the equipment considered important/ relevant by the Bidder. The technical proposal should also include maintenance schedules to achieve maximum life and expected life of each assembly/ sub-assembly (or Line Replaceable Unit (LRU)/Shop Replaceable Unit (SRU)), storage conditions/environment condition recommended and the resultant guaranteed in-service and shelf life.

28. If there is any associated optional equipment on offer that should also be indicated separately along with the benefit that are likely to accrue by procuring such optional equipment. Should the Bidder be contemplating any upgrades or modifications to the equipment being offered, the details regarding these should also be included in the Technical Proposal.

29. **Technical Details.**

(a) The technical details should be factual, comprehensive and include specifications of the offered system/ equipment against broad requirements listed in **Appendix A** to this RFP.

(b) Insufficient or incomplete details may lead to rejection of the offer. Mere indication of compliance may be construed as incomplete information unless system’s specific technical details are available in the offer. A format of the compliance table for the technical parameters and other conditions of RFP is attached as **Appendix B** to this RFP.

30. The technical offer should have a separate detachable compliance table as per format given at **Appendix B** to this RFP stating specific answers to all the parameters as listed at **Appendix A** to this RFP. It is mandatory to append answers to all the parameters listed in **Appendix A** to this RFP. Four copies of the Technical Proposal should be submitted (along with one soft copy), however only one copy of the commercial proposal is required.

31. **Malicious Code Certificate.** The Bidder is required to submit a ‘**Malicious Code Certificate**’ (*only for Electronic items and Software*) along with the Technical Proposal. The format is placed at **Appendix D** to this RFP.

32. **Demonstration/ Evaluation.** The Bidder is requested to confirm his willingness to provide the equipment for demonstration/ evaluation at the specified location by user in India on "No Cost No Commitment" basis within **Forty-Five days** of issue of RFP. The demonstration/ evaluation will be assessed by Demonstration Evaluation Team comprising of Empowered Committee Members or the representative nominated by the Empowered Committee. **The Empowered Committee, at their own expense, will depute representatives for witnessing the Demonstration. If any part of the demonstration is conducted in the Buyer's facilities, the Bidder shall depute their personnel and equipment at their own expenses and bear the cost of all expenses of the demonstration other than the cost of ranges, platform or facilities which the Buyer may choose to provide free of cost.** The equipment produced for the Demonstration/ Evaluation will be retained by all the bidders in demonstrated configuration till Contract Negotiation and by L-1 bidder till PDI for comparison with the deliverables.

33. **Product Support (CMC).** After induction and post warranty, the equipment/ system would be repaired and maintained as per the repair and maintenance philosophy at **Appendix E** to this RFP. The details of CMC proposals, must be submitted separately by the Bidder with technical aspects being included in the technical offer and commercial aspects being included in the commercial offer.

34. **Active Technology Obsolescence Management.** Bidder is to indicate the methodology on how the Bidder intends to undertake Active Obsolescence Management through life cycle of equipment which would include upgradation of system/ subsystem/ units on completion of its fair service life. The Bidder/ OEM shall also intimate Buyer on likely technology obsolescence of various sub-assemblies/units/modules of equipment through an Annual Bulletin. In case of impending obsolescence of components, bulletin should specify either alternate item or option for life-time buy as under: -

(a) The Bidder/OEM will notify the Buyer not less than **two years** before the closure of its production line about the intention to close production of equipment for provision of purchasing spare parts, before closure of the said production line.

(b) **Three years** prior to completion of design/service life of equipment, the Bidder/OEM will submit techno-commercial proposal for upgradation of equipment, wherever applicable, to mitigate technology obsolescence and for ensuring product support for entire re-defined life cycle of the equipment.

### **Evaluation of Technical Offers**

35. The Technical Offer submitted by the Bidder will be evaluated by Empowered Committee Members or the representative nominated by the Empowered Committee, to confirm that the equipment being offered meets the Operational Parameters and features as elaborated at **Appendix A**. On Technical evaluation compliance, the Bidder of the short listed equipment would be asked to provide **One (01) Universal Driving Simulator with accessories** for demonstration as per Demonstration Methodology given at **Appendix F** to this RFP, in India at 'No Cost No Commitment' basis.

36. For an equipment to be introduced in service, it is mandatory that it successfully clears all stipulated demonstration/ evaluations as per RFP.

37. **Commercial offer of the Bidders will be opened once the equipment is short-listed, after Technical and demonstration evaluation, has been accepted technically.** In other words, the equipment would be required to be demonstrated and found suitable by Empowered Committee prior to commencement of any commercial negotiations.

### **Quality Assurance Instructions & Technical Evaluation Plan**

38. Guidelines for framing of Draft ATP are given at **Appendix G**. Bidder is to submit a Draft Acceptance Test Procedure (ATP) along with the Technical bid. Based on the draft ATP, the ATP will be finalised by the Buyer's QA agency with Bidder during Contract Negotiation. ATP shall be included in the contract at the time of finalisation with successful bidder. ATP will lay down the tests to be carried out during PDI and JRI. It shall be ensured that there is no repetition of QA tests in PDI and JRI. The JRI would normally be restricted to quantitative checks only, except where check proof is required to be carried out. However, for PDI the quality audit will be the mandatory part of acceptance, as per **Appendix G**. QA of equipment will be carried out as per finalised ATP in the contract. For COTS equipment, Bidder will provide shelf life certification, requisite test reports and certification as per standards of manufacturing by Bidder. The draft ATP will be analysed for adequacy and sufficiency during demonstration. All prerequisite documents and supporting test reports pertaining to equipment under demonstration to be submitted during demonstration.

### **Painting, Marking and Packaging**

39. **Painting.** The weather proofing in terms of paint colour is '**Olive Green (IS 220)**'.

40. **Marking of Deliverables.** The Bidder shall ensure that each **Universal Driving Simulator with accessories** is marked clearly and indelibly with non-corrosive paint, as follows: -

#### **'UNIVERSAL DRIVING SIMULATOR WITH ACCESSORIES'**

(a) Ensure that any marking method used does not have a detrimental effect on the strength, serviceability or corrosion resistance of the deliverables.

(b) Where the deliverables have a limited shelf life, with the cure date/date of manufacture or expiry date expressed as months and years.

41. **Packaging of Equipment and Deliverables.** The SELLER shall provide packaging as per Military Packaging Level 'P' of DEFSTAN 81-041 (Part 1) or equivalent Military Standard. The packaging will provide adequate protection against the defined environmental conditions and physical constraints that may be experienced by equipment and all deliverables during storage and transportation. The choice of packaging materials and processes is left to the packaging supplier. However, the following points shall be taken into account when providing items packaged; Provide adequate physical protection, not make the item attractive, provide clear identification and marking, Be the most cost effective solution, provide a solution that is space efficient, be fit for purpose for the journey specified.

42. The Bidder shall ensure that each package containing the deliverable is labelled to include: -

- (a) The name and address of the consigner and consignee including
  - (i) The delivery destination/address if not of the consignee
  - (ii) Transit destination/address (for aggregation/ disaggregation, onward shipment etc)
- (b) The description and quantity of the deliverables.
- (c) The full part number in accordance with codification details.
- (d) The makers part, catalogue, serial, batch number, as appropriate.
- (e) The contract number.
- (f) Any statutory hazard markings and any handling markings including the mass of any package which exceeds **Three (3) kgs**.

### **PART III - COMMERCIAL REQUIREMENTS**

43. The third part of the RFP consists of the Commercial Clauses and Standard Clauses of contract. The bidders are required to give confirmation of their acceptance of these clauses. One copy of ISPPL (**Annexure III to Appendix E**) is to be submitted by Bidder along with commercial bid.

#### **Commercial Bid**

44. The Bidder is requested to take into consideration the **Commercial Clauses and Payment Terms** given at **Appendix H** to this RFP while formulating the Commercial Offers. The bidders are required to quote their price in Price bid format given in **Appendix J** to this RFP.

45. Commercial offer of the Bidder will be opened only, after compliance of Technical evaluation and demonstration evaluation. The Commercial Offer must be firm and fixed and should be valid for at least **Six (06) months** from the last date of bid submission.

#### **Commercial Bid Opening**

46. The Commercial Offers will be opened by the Empowered Committee and if Bidder desires he may depute his representative, duly authorised in writing, to be present at the time of opening of the offers.

47. The date, time and venue fixed for this purpose will be intimated separately after the evaluations are completed.

48. The Empowered Committee will determine the lowest bidder (L1).

#### **Additional Aspects**

49. **Standard Conditions of RFP.** The Government of India desires that all actions regarding procurement of any equipment are totally transparent and carried out as per established procedures. The bidder is required to accept our standard conditions furnished at **Appendix K** to this RFP regarding Agents, penalty for use of undue influence and Integrity Pact, access to books of accounts, arbitration and clauses related to Law. These conditions along with other clauses of the Contract form the Standard Contract Document (as at **Chapter VI** of DAP 2020) indicates the general conditions of contract that would be the guideline for all acquisitions. The draft contract would be prepared as per these guidelines.

50. **Termination Clause.** The Termination Clause in this case will be applicable in the following conditions: -

- (a) The delivery of the equipment is delayed for causes not attributable to force majeure for more than six months after the scheduled date of delivery.
- (b) The Seller is declared bankrupt or becomes insolvent.
- (c) The 'Buyer' has noticed that the seller has utilised the services of an Agent in getting this contract and paid any commission to such individual/company etc.



#### **PART IV: BID EVALUATION AND ACCEPTANCE CRITERIA**

51. A list of documents/ details to be submitted along with the bids is placed at **Appendix M** as a reference to help in completeness of bid and meeting the procurement process schedule.

52. The bids shall be unconditional and unqualified. Any condition or qualification or any other stipulation contained in the bid shall render the bid liable to rejection as a non-responsive bid.

53. The bid and all communications in relation to or concerning the bidding documents shall be in English language.

54. **Evaluation and Acceptance Process.**

(a) **Evaluation of Technical Proposals.** The technical proposal forwarded by the Bidder will be evaluated by Empowered Committee. The Empowered Committee will examine the extent of variations/ differences, if any, in the technical characteristics of the equipment offered by various Bidders with reference to the QRs and prepare a "Compliance Statement" for the Bidder. On Technical Evaluation compliance, the Bidder, shall be asked to send **One (01) Set of the equipment (refer Para 35 of RFP)** for demonstration/ Evaluation as per Demonstration Methodology attached as **Appendix F** of RFP. Demonstration/ Evaluation would be conducted for Operational Parameters attach as **Appendix A**. A compliance report will be prepared, giving out the compliance of the demonstrated performance of the equipment vis-à-vis the requirements. The compliance would be determined only on the basis of the parameters specified in the RFP. The Empowered Committee will analyse the demonstration/ evaluation results and shortlist the equipment recommended for introduction into service.

(b) **Evaluation of Commercial Bid.** The Commercial bids of only those bidders will be opened, whose technical bids have been cleared by Technical evaluation and Demonstration Evaluation Team. Comparison of bids would be done on the basis of Evaluation criteria given in **Appendix J** to this RFP. The L-1 bidder would be determined by Empowered Committee on the basis of **Appendix J** to this RFP. Only L-1 bidder would be invited for Contract Negotiation.

(c) **Contract Conclusion.** The successful conclusion of Contract Negotiation will be followed by contract conclusion.

**Appendix A**

(Refers to Para 25, 26, 27, 29 (a), 30, 35 & 54 (a) of RFP)

**OPERATIONAL CHARACTERISTICS AND FEATURES OF UNIVERSAL DRIVING  
SIMULATOR WITH ACCESSORIES**

<b>S No</b>	<b>Features</b>	<b>Descriptions</b>
1.	Physical Specifications	<p>(a) <b><u>Driving Cabin</u></b>. Driver Station will be built on the controls of a Light Vehicle with real interiors and controls integrated with the software. It will have adjustable seat, Seat belts, Steering wheel, gear shifting lever, Accelerator/Brake &amp; clutch pedals, Hand brake. Instrument console to be provided inside the cabin to provide realistic feeling.</p> <p>(b) <b><u>Instructor Station</u></b>. There has to be a station in a 1:2 configuration i.e there will be a <b>one instructor station controlling two simulator Stations</b>. The instructor will be able to control the training process. The station will allow the instructor to create scenarios, record and play back the movements of the trainee/driver.</p> <p>(c) <b><u>Visual Projection</u></b>. The Visual Display system will comprise of Large projection screen with three projectors giving a panoramic view to the driver. Graphics to provide requisite visual cues for change in vehicle speed and relative change in distance w.r.t Traffic. <b>The same will be capable of simulation driving condition of Ashok Leyland Stallion, TATA 2.5 Ton and High Mobility Vehicle etc.</b></p> <p>(d) <b><u>Motion Platform</u></b>. There will be a <b>6 DOF</b> Electric Motion Platform for realistic driving experience for the trainee.</p> <p>(e) <b><u>Processing Type</u></b>. It will have Computer based processing.</p> <p>(f) <b><u>Computers</u></b>. It will have separate computer for Driver Station and instructor Station without clutter &amp; will capture all essential elements.</p>
2.	Simulated Features	<p>(a) <b><u>Activated Controls</u></b>. The Simulator will have the following controls fully activated and simulated so as to provide a realistic response of actual vehicle (there will be no lag in simulation wrt Steering, Gearing, Accelerator and Brake pedal inputs).</p> <ul style="list-style-type: none"> <li>(i) Steering wheel</li> <li>(ii) Gears</li> <li>(iii) Clutch</li> <li>(iv) Accelerator</li> <li>(v) Brake</li> <li>(vi) Handbrake</li> <li>(vii) Wind shield wiper</li> <li>(viii) Lighting Combination Switch</li> <li>(ix) Mirror adjustment switch</li> </ul>

S No	Features	Descriptions
		<p>(b) <b><u>Instrument Cluster.</u></b> The following elements of instrument cluster of actual vehicle will be fully integrated and activated with simulator graphics. Instrument console to be provided inside the cabin to provide realistic feeling :</p> <ul style="list-style-type: none"> <li>(i) Speedometer</li> <li>(ii) L/R turn indicator</li> <li>(iii) Hand brake indicator</li> <li>(iv) Head light indicator</li> <li>(v) High beam indicator</li> <li>(vi) Hazard switch</li> <li>(vii) Temperature indicator</li> <li>(viii) Parking brake indicator</li> <li>(ix) Seatbelt indicator</li> <li>(x) Odometer</li> </ul> <p>(c) <b><u>Force Feedback Steering.</u></b> - The simulator will be equipped with a motorized steering to give same feeling of turning as observed in actual vehicle. This will facilitate the requirement of power steering.</p>
3.	Visual Environment	<p>3D environment as per Indian road conditions are envisaged along with the following other requirements :-</p> <p>(a) <b><u>Terrains.</u></b> The simulator will have 3D visual environments covering following elements. The software should be flexible to adaptation of Google/ GIS imagery of later stage.</p> <ul style="list-style-type: none"> <li>(i) <b><u>City Terrain.</u></b> Including commercial area, residential area, featuring schools, parks, zebra crossings, speed breakers and flyovers etc.</li> <li>(ii) <b><u>Highway Terrain.</u></b> Including tunnels and railway crossings etc.</li> <li>(iii) <b><u>Hill Terrain.</u></b> Including steep turns and tunnels etc.</li> <li>(iv) Desert Terrain.</li> </ul> <p>(b) <b><u>Realistic Sound Environment.</u></b> Simulator will give high quality stereophonic representation of sound without clutter and will capture following elements:</p> <ul style="list-style-type: none"> <li>(i) Engine switch on and switch off</li> <li>(ii) Engine sound synchronous to vehicle speed</li> <li>(iii) Gear change</li> <li>(iv) Starting ignition sound</li> <li>(v) Vehicle engine sound</li> <li>(vi) Surrounding traffic noise</li> <li>(vii) Horn</li> <li>(viii) Rain drops</li> </ul>

S No	Features	Descriptions
		<p>(ix) Wind shield wiper  (x) Screeching brake sound  (xi) Indicator's ticking sound  (xii) Road Bump Sound</p> <p>(c) <b><u>Simulated Modes/Time of Day.</u></b> Simulator will enable driving in different simulated modes of day and night.</p> <p>(d) <b><u>Adverse Weather Conditions.</u></b> Simulator will have the provision to drive/practice in adverse weather conditions and experience.</p> <p>(e) For driving with fog conditions with varying visibility options i.e. Low, Medium and Full visibility and in different intensity of rainfall i.e. Low, Medium and High.</p>
4.	Training Modules	<p>(a) <b><u>Progressive Training for Driving Skills.</u></b> Simulator will have Progressive training modules as follows to cover comprehensive training curriculum for Drivers with License starting from acquiring basics to advanced driving skills and will be developed on an actual city terrain and not test tracks for realistic driving feel. It will have the following modules :-</p> <p>(i) Training Modules- For Novice Driver and Trained Driver.  (ii) Cockpit Training Video Module  (iii) Defensive Driving Module (City, Hill, Highway and Deserts)</p> <p>(b) <b><u>Defensive Driving Test.</u></b> There will be a module that will test the driver in multiple driving scenarios giving learner an opportunity to drive in different risky situations anticipating the hazards correctly and hone his defensive driving skills. He will encounter more than 30 risky scenarios while driving this module.</p> <p>(c) <b><u>Performance Evaluation and Report Generation.</u></b> Simulator will be able to generate a test report in the form of soft copy and hard copy for accessing the performance of trainee against a set benchmark.</p> <p>(d) <b><u>Training Cues.</u></b> There will be written and vocal messages of basic rules for habitual safe driving. Training cues will be available in English or Hindi.</p> <p>(e) The software should be capable of fault finding, simulation of forced collision /accident/ vehicle breakdown etc. The software will also have the ability to amend the benchmark as necessary. Simulator will evaluate the driver throughout the training process. The evaluation criteria will be as per approved standards in India. A printed report will be generated at the end of each session. The system will also produce and print a consolidated report of the drivers entire training</p>

S No	Features	Descriptions
5.	Instructor Station Features	<p>period.</p> <p>(a) <b>Customized Scenario Settings.</b> The instructor station will enable the instructor to customize the following in various combinations:</p> <ul style="list-style-type: none"> <li>(i) Selection of routes</li> <li>(ii) Daylight conditions</li> <li>(iii) Weather conditions</li> <li>(iv) Traffic density</li> <li>(v) Health of vehicle</li> </ul> <p>(b) <b>Calibration of the Vehicle.</b> The instructor station will enable unlimited calibration of the following controls for easy self-maintenance:</p> <ul style="list-style-type: none"> <li>(i) Steering</li> <li>(ii) Brake</li> <li>(iii) Accelerator</li> <li>(iv) Clutch</li> </ul>
6.	Specs of Motion Platform	<p>(a) Payload</p> <ul style="list-style-type: none"> <li>(i) Dynamic : As required (In Kgs)</li> <li>(ii) Static : As required (In Kgs)</li> </ul> <p>(b) Dynamics</p> <ul style="list-style-type: none"> <li>(i) <b>Degree of Freedom</b> : <b>6</b></li> <li>(ii) Pitch : <math>\pm 18^\circ</math></li> <li>(iii) Roll : <math>\pm 18^\circ</math></li> <li>(iv) Yaw : <math>\pm 15^\circ</math></li> <li>(v) Surge : <math>\pm 170</math> mm</li> <li>(vi) Sway : <math>\pm 170</math> mm</li> <li>(vii) Heave : <math>\pm 170</math> mm</li> </ul> <p>(c) Design Parameters</p> <ul style="list-style-type: none"> <li>(i) Closed height : 1300mm</li> <li>(ii) Operating height : 1470mm</li> <li>(iii) Maximum height : 1640mm</li> <li>(iv) Frame size : 6 ft x 4 ft (<b>Ideal Size</b>)</li> </ul>

S No	Features	Descriptions
		(v) Velocity (aa) Pitch, Roll & Yaw - $\pm 25^\circ$ /Sec (ab) Heave, Sway & Surge - $\pm 350$ mm/Sec
7.		The <b>Service Life</b> of the product would be <b>minimum 10 Years</b> .

**Appendix B**

(Refers to Para 25, 29 (b) &amp; 30 of RFP)

**COMPLIANCE TABLE**For: **Universal Driving Simulator with accessories**

Ser No	Requirement as per the RFP	Compliance/ Partial Compliance	Indicate references of Paras/Sub Paras of the Main Technical Document
<b>General Conditions of RFP (Para 01 to 54 (c))</b>			
<b>Technical Parameters as per Appendix A</b>			
	Operation Characteristics and Features		
<b>Commercial Parameters as per RFP</b>			
	Performance-cum-Warranty Bank Guarantee as per Para 2 of Appendix H of RFP		
	Advance Payment Bank Guarantee as per Para 1.4.1 of Appendix H of RFP		

**Appendix C**  
(Refers to Para 11 of RFP)

**WARRANTY CLAUSE**

1. The **SELLER** warrants that the goods/services supplied under this contract conform to technical specifications prescribed and shall perform according to the said Technical Specifications.
2. The **SELLER** warrants for an **onsite Comprehensive warranty** for a period of **36 (Thirty Six) months** from the date of acceptance of deliverables post Joint Receipt Inspection and installation and commissioning, that the goods/ stores/ services supplied under this contract and each component used in the manufacture thereof should be free from all types of defects/ failures (including latent and patent defects).
3. If within the period of warranty, the goods/stores are reported by the **BUYER** to have failed to perform as per the specifications, the **SELLER** shall either replace or rectify the same free of charge, maximum within **30 (Thirty) days** of notification of such defect by the **BUYER** provided that the goods are used and maintained by the **BUYER** as per instructions contained in the Operating Manual. Warranty repair will be carried out in-situ. Warranty of the equipment would be extended by such duration **of downtime, if not repaired/ replaced within 30 days**. Record of the down time would be maintained by user in log book. Spares **and all consumables** required for warranty repairs shall be provided free of cost by **SELLER**. The **SELLER** also warrants that the special oils, lubricants, gas and consumables required for the warranty repair of the equipment shall be provided by the **SELLER** himself. **All activities including diagnosis, rectification, calibration, transportation etc, required for making equipment serviceable and available would be the SELLER's responsibility.** The **SELLER** also undertakes to diagnose, test, adjust, calibrate and repair/replace the goods/equipment arising due to accidents by neglect or misuse by the operator or damage due to transportation of the goods during the warranty period, at the cost mutually agreed to between the **BUYER** and the **SELLER**. The **SELLER** shall intimate the assignable cause of the failures.
4. **SELLER** hereby warrants that necessary cost towards service and repair backup including consumables, spares, labour and oils/lubricants/ greases required for the periodic/ scheduled/ un-scheduled maintenance of the equipment during the warranty period, including routine maintenance beyond Unit Level, shall be borne by the **SELLER**.
- 5(a). If a particular equipment/ goods fails frequently or the cumulative down time exceeds **10%** of the warranty period, then the equipment will be completely replaced free of cost by the **SELLER** within a stipulated period of 60 days of receipt of the notification from the **BUYER**.
- 5(b). **If a common defect is noticed in more than 5% of the quantity of equipment with respect to a particular item/ component/ sub-component, that complete item/ component/ sub-component** shall be replaced free of cost by the **SELLER** within a stipulated period of **60 days** of receipt of the notification from the **BUYER** duly modified/ upgraded through design improvement in all equipment supplied/ yet to be supplied and ESP supplied/ yet to be supplied.
6. **SELLER** shall associate QA of **BUYER** during warranty repair and shall provide complete details of defect, reasons and remedial actions for averting recurrence of such defects.
7. The seller is also bound to support the Buyer's QA agency for defect investigations beyond the warranty period i.e for the complete life cycle of equipment.



8. The SELLER warrants that the goods supplied will conform to the Temperature and Humidity conditions as mentioned at Appendix A to RFP.

9. The terms of warranty and OEM/ Seller Contact Details including phone number and email should be mentioned in the User Hand Book (UHB). The date from which warranty is applicable (duly endorsed by representative of both Buyer & Seller) should be mentioned in respective log book and User Hand Book of the main equipment and accessories.

**Appendix D**  
(Refers to Para 31 of RFP)

**CERTIFICATE: MALICIOUS CODE**  
(To be rendered on the Company Letter head)

1. This is to certify that the Hardware and the Software being offered, as part of the Contract, does not contain embedded malicious code that would activate procedures to:-

- (a) Inhibit the desired and designed function of the equipment.
- (b) Cause physical damage to the user or equipment during the exploitation.
- (c) Tap information resident or transient in the equipment/ networks.

2. The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Rights (IPRs) are caused due to activation of any such malicious code in embedded software.

(Signed)

Designation/Name/Address of firm

Date:

Place:

**Appendix E**  
(Refers to Para 33 of RFP)

**PRODUCT SUPPORT**

**Maintenance Contracts**

1. The Maintenance of the equipment would be carried out by Comprehensive Maintenance Contracts (CMCs) for a period of at least **four years beyond the warranty period**. The CMCs would be provided by the OEM/ licensed entity/ OEM authorised representative and would commence on completion of warranty period.

2. **Comprehensive Maintenance Contracts (CMC)**. Comprehensive Maintenance Contracts are concluded for a **period of four years**, in multiples of Annum post warranty period. The scope of CMC, in addition to services of the Specialists to include provisioning of consumables, spares, tools and equipment as required for Maintenance and Repair of the equipment. In this arrangement, the OEM will ensure that the down time of the equipment does not exceed the minimum period stipulated in the CMC. In such cases, Engineering Support Package may be reduced proportionately based on the operational requirements and functional sensitivities such as geographical spread, remote location, poor connectivity, intense threat environment precluding employment of civil support, etc. CMC will include all corrective and preventive maintenance of the systems, equipment and machinery in satisfactory working order and 'Planned Preventive Maintenance' (PPM), repairs, servicing, calibration, replacement of defective parts, sub-assemblies, equipment, preservation /de-preservation as applicable. All equipment supplied under the proposed contract will be maintained on site by the Seller. CMC will ensure performance of the equipment in the range and accuracies as set in equipment Technical Manual. The locations of the equipment proposed to be under CMC would be as per **Para 1.1.1 of Appendix H**. An equipment repair Log book will be maintained to keep a record of the equipment down time during defect rectification. The scope of work would also involve the following: -

(a) **Preventive Maintenance**. The maintenance of the equipment is to be carried out by the Bidder at the Buyer premises. The equipment will be maintained as per the OEM specified maintenance schedules and equipment manuals. However, the number of visits by the Bidder to the customer premises should be at least **once a quarter** or as agreed to in the contract. The preventive maintenance team visiting the unit should be composite and possess sufficient expertise and spares to carry out preventive maintenance activities and resolve any pending unserviceability issues of the equipment.

(b) **Breakdown Maintenance**. In addition to preventive maintenance, the Bidder will also be responsible to undertake breakdown maintenance of the equipment. Defects on the equipment as and when observed, will be intimated to the Bidder by telephone/ fax/ email. The Bidder will depute a team for undertaking repairs of the equipment within **two (02) working days** from the reporting of the defect and make the equipment operational within **seven (07) days** of the reporting of the defect. The Bidder will need to diagnose, test, adjust, calibrate and repair / replace the goods/equipment during the CMC period. However, defective hard disks, strong devices, if any, of the equipment, will not be returned to the Bidder and would be

retained for destruction / safe custody. The downtime of the equipment will commence from the time a defect is reported by the user and the log of the same would be maintained **by both Buyer and Bidder**.

(c) **Calibration**. Periodic inspection and calibration services as set forth in the equipment manual shall be provided by the Bidder, to ensure operational availability of the equipment. Requisite certificates may be rendered whenever major repairs/ maintenance on equipment is undertaken.

(d) **Spares**. Supply of all parts (spares sourced from the OEM/OEM authorised vendor), including consumables, if any and material required for the optimal performance of the equipment as per the designed specifications mentioned in the equipment manual would be the responsibility of the Bidder.

(e) **Software**. The Bidder will provide support for maintenance of the software(s) during the period of CMC and would include the following:-

(i) Upgrades, patches, fixes to the OS and the Application software.

(ii) Back-up and restoration of software, as and when required.

(iii) No malware certificate.

(iv) Version of the software and IV & V (Independent verification and validation) certificate as per the applicable CMM Level, depending on the criticality of the equipment.

(v) Method of checking the health of the software and debugging methods.

(f) **Obsolescence Management**. The obsolescence management for the equipment delivered under the scope of contract would form part of CMC Services. The obsolescence management will include providing "Form, Fit and Function" replacement of any system/ sub system rendered obsolete during the period of CMC.

### **Active Technology Obsolescence Management**

3. Bidder is to indicate the methodology on how the Bidder intends to undertake Active Obsolescence Management through life cycle of equipment which would include upgradation of systems/ subsystems/ units on completion of its fair service life. The Bidder shall also intimate the Buyer on likely technology obsolescence of various sub-assemblies/units/modules of equipment through an Annual Bulletin. In case of impending obsolescence of components, bulletin should specify either alternate item or option for life-time buy as under: -

(a) The Bidder/OEM (as applicable) will notify the Buyer not less than three years before the closure of its production line about the intention to close production of equipment for provision of purchasing spare parts, before closure of the said production line.

(b) Three years prior to completion of design/service life of equipment, the Bidder/OEM (as applicable) will submit techno-commercial proposal for upgradation of equipment, wherever applicable, to mitigate technology obsolescence and for ensuring product support for entire life cycle of equipment.

Annexure I to Appendix ETECHNICAL LITERATURE**EQUIPMENT: QUANTITY SIXTY NINE (69) NUMBERS UNIVERSAL DRIVING SIMULATORS WITH ACCESSORIES**

Original Equipment Manufacturer (OEM) : \_\_\_\_\_

Ser No	Technical Literature	Unit Cost	Nos Required		Total Qty	Total Cost	Remarks
			User	DGQA			
1.	User Handbook/ Operators Manual		74	02	76		
2.	Design Specifications		-	02	02		
3.	<u>Technical Manual</u> (a) <u>Part I</u> Tech description, specifications functioning of various systems. (b) <u>Part II</u> Inspection/ Maintenance tasks Repair procedures, materials used, fault diagnosis and use of special Maintenance Tools (SMTs/ Special Test Equipment (STEs). (c) <u>Part III</u> Procedure for assembly/ disassembly.		-	02	02		

Ser No	Technical Literature	Unit Cost	Nos Required		Total Qty	Total Cost	Remarks
			User	DGQA			
	(d) <u>Part IV</u> List of SMT/ STEs with Test Bench (if any alongwith photograph and its wage). (i) Part list with drawing reference (ii) List of SMT/ STEs with Test Bench.						
4.	Manufacturer's Recommended List of Spares (MRLS) (Both Soft & Hard copy).		-	-			
5.	Illustrated Spares Part List (ISPL) (Both Soft & Hard copy).		-	01	<b>01</b>		
6.	Technical Manual on STE with drawing reference and calibration (If applicable) details.		-	01	<b>01</b>		
7.	Any other (specify)						

**Notes: -**

- (i) In case any additional equipment is used their tech literature will be included.
- (ii) If certain technical literature is being provided free of cost, it should be indicated in remark column.
- (iii) The above mentioned technical literature would be in English language except User Handbook/ Operator's manual which would be Bilingual (Hindi/ English).
- (iv) All the above Technical Literature is recommended to be provided in the form of CDs/ DVDs.
- (v) Diagnostic and installation manuals to be provided for the complete software being used in the equipment.

**TRAINING AGGREGATES****EQUIPMENT: QUANTITY SIXTY NINE (69) NUMBERS UNIVERSAL DRIVING SIMULATORS WITH ACCESSORIES****Original Equipment Manufacturer (OEM) : \_\_\_\_\_**

Ser No.	Description of Training Aggregate	Nos Required		Total Quantity	Unit Cost	Total Cost	Remarks
		User	DGQA				
1	Cost of training requirement in India at Bidder premises	28	-	28			Four individuals per Regimental Centres (07)
2	Any other-	-	-				





**Appendix F**  
(Refers to Para 35 & 54 (a)  
of RFP)

**DRAFT DEMONSTRATION METHODOLOGY: UNIVERSAL DRIVING SIMULATORS**

1. Demonstration will be conducted on a 'No Cost No Commitment' (NCNC) basis under the aegis of IHQ of MoD (Army). The broad plan for demonstration is given at **Annexure** to this methodology.
2. **Demo Location.** Vendor Premises or as decided by Empowered Committee.
3. **Demonstration Equipment.** Quantity 01(One)
4. **Terrain and Crew.** Terrain for demonstration will be selected at the discretion of the Empowered Committee. Crew for operating the demonstration equipment will be provided by the vendor. Adequate training & familiarization of crew will be carried out by the OEM.
5. **Transportation of Equipment.** Whenever movement of demonstration equipment is being undertaken by the vendors from one demonstration location to another, the equipment will be suitably sealed to prevent tampering. Being **NCNC** demonstration, all charges for transportation including freight, insurance, custom, octroi duties and any other local taxes shall be borne by the vendors. A representative of vendor shall accompany the equipment being transported at all times.
6. **Qualified Vendor Representatives.** The representatives of vendors present during demonstration should have adequate knowledge about the equipment to give the complete details of the equipment including stripping and assembling, testing procedures, SMTs/STEs etc. Observations and recommendations will be conveyed to respective vendors and the vendors will sign for the same.
7. **Security Clearance.** A maximum of eight (08) representatives per OEM will be allowed to witness the demonstration. The details of representatives who would attend the demonstration will be forwarded to Empowered Committee 30 days in advance. Non-receipt of details may result in delays in security clearance and will lead to non-attendance of the OEM representative.
8. **Retention and Returning of Equipment.** The equipment produced for the Demonstration/ Evaluation will be retained by all the bidders in demonstrated configuration till Contract Negotiation and by L-1 bidder till PDI for comparison with the deliverables.

**DRAFT DEMONSTRATION METHODOLOGY : UNIVERSAL DRIVING SIMULATORS**

<u>Ser No</u>	<u>Parameter</u>	<u>Broad Trial Plan</u>	<u>Remarks</u>
1	<b><u>Physical Specifications</u></b>		
	(a) <b><u>Driving Cabin.</u></b> Driver Station will be built on the controls of a Light Vehicle with real interiors and controls integrated with the software. It will have adjustable seat, Seat belts, Steering wheel, gear shifting lever, Accelerator/Brake & clutch pedals, Hand brake. Instrument console to be provided inside the cabin to provide realistic feeling.	To be demonstrated.	
	(b) <b><u>Instructor Station.</u></b> There has to be a station in a 1:2 configuration i.e there will be a <b>one instructor station controlling two simulator Stations.</b> The instructor will be able to control the training process. The station will allow the instructor to create scenarios, record and play back the movements of the trainee/driver.	To be demonstrated.	
	(c) <b><u>Visual Projection.</u></b> The Visual Display system will comprise of Large projection screen with three projectors giving a panoramic view to the driver. Graphics to provide requisite visual cues for change in vehicle speed and relative change in distance w.r.t Traffic. <b>The same will be capable of simulation driving condition of Ashok Leyland Stallion, TATA 2.5 Ton and High Mobility Vehicle etc.</b>	To be demonstrated.	
	(d) <b><u>Motion Platform.</u></b> There will be a <b>6 DOF</b> Electric Motion Platform for realistic driving experience for the trainee.	To be demonstrated.	
	(e) <b><u>Processing Type.</u></b> It will have Computer based processing.	To be demonstrated.	
(f) <b><u>Computers.</u></b> It will have separate computer for Driver Station and instructor Station without clutter & will capture all essential elements.	To be demonstrated.		

<u>Ser No</u>	<u>Parameter</u>	<u>Methodology</u>	<u>Remarks</u>
2.	<b><u>Simulated Features</u></b>		
	(a) <b><u>Activated Controls.</u></b> The Simulator will have the following controls fully activated and simulated so as to provide a realistic response of actual vehicle (there will be no lag in simulation wrt Steering, Gearing, Accelerator and Brake pedal inputs).	To be demonstrated.	
	(i) Steering wheel	To be demonstrated.	
	(ii) Gears	To be demonstrated.	
	(iii) Clutch	To be demonstrated.	
	(iv) Accelerator	To be demonstrated.	
	(v) Brake	To be demonstrated.	
	(vi) Handbrake	To be demonstrated.	
	(vii) Wind shield wiper	To be demonstrated.	
	(viii) Lighting Combination Switch	To be demonstrated.	
	(ix) Mirror adjustment switch	To be demonstrated.	
	(b) <b><u>Instrument Cluster.</u></b> The following elements of instrument cluster of actual vehicle will be fully integrated and activated with simulator graphics. Instrument console to be provided inside the cabin to provide realistic feeling :	To be demonstrated.	
	(i) Speedometer	To be demonstrated.	
	(ii) L/R turn indicator	To be demonstrated.	
	(iii) Hand brake indicator	To be demonstrated.	
(iv) Head light indicator	To be demonstrated.		

<u>Ser No</u>	<u>Parameter</u>	<u>Methodology</u>	<u>Remarks</u>
	(v) High beam indicator	To be demonstrated.	
	(vi) Hazard switch	To be demonstrated.	
	(vii) Temperature indicator	To be demonstrated.	
	(viii) Parking brake indicator	To be demonstrated.	
	(ix) Seatbelt indicator	To be demonstrated.	
	(x) Odometer	To be demonstrated.	
	(c) <b>Force Feedback Steering.</b> - The simulator will be equipped with a motorized steering to give same feeling of turning as observed in actual vehicle. This will facilitate the requirement of power steering.	To be demonstrated.	
	<b><u>Visual Environment</u></b>		
	3D environment as per Indian road conditions are envisaged along with the following other requirements :-		
	(a) <b><u>Terrains.</u></b> The simulator will have 3D visual environments covering following elements. The software should be flexible to adaptation of Google/ GIS imagery of later stage.	To be demonstrated.	
	(i) <b><u>City Terrain.</u></b> Including commercial area, residential area, featuring schools, parks, zebra crossings, speed breakers and flyovers etc.	To be demonstrated.	
	(ii) <b><u>Highway Terrain.</u></b> Including tunnels and railway crossings etc.	To be demonstrated.	
	(iii) <b><u>Hill Terrain.</u></b> Including steep turns and tunnels etc.	To be demonstrated.	
	(iv) Desert Terrain.	To be demonstrated.	
	(b) <b><u>Realistic Sound Environment.</u></b> Simulator will give high quality stereophonic representation of sound without clutter and will capture following elements:	To be demonstrated.	
	(i) Engine switch on and switch off	To be demonstrated.	
3			

<u>Ser No</u>	<u>Parameter</u>	<u>Methodology</u>	<u>Remarks</u>
	(ii) Engine sound synchronous to vehicle speed	To be demonstrated.	
	(iii) Gear change	To be demonstrated.	
	(iv) Starting ignition sound	To be demonstrated.	
	(v) Vehicle engine sound	To be demonstrated.	
	(vi) Surrounding traffic noise	To be demonstrated.	
	(vii) Horn	To be demonstrated.	
	(viii) Rain drops	To be demonstrated.	
	(ix) Wind shield wiper	To be demonstrated.	
	(x) Screeching brake sound	To be demonstrated.	
	(xi) Indicator's ticking sound	To be demonstrated.	
	(xii) Road Bump Sound	To be demonstrated.	
	(c) <b><u>Simulated Modes/Time of Day</u></b> . Simulator will enable driving in different simulated modes of day and night.	To be demonstrated.	
	(d) <b><u>Adverse Weather Conditions</u></b> . Simulator will have the provision to drive/practice in adverse weather conditions and experience.	To be demonstrated.	
	(e) For driving with fog conditions with varying visibility options i.e. Low, Medium and Full visibility and in different intensity of rainfall i.e. Low, Medium and High.	To be demonstrated.	

<u>Ser No</u>	<u>Parameter</u>	<u>Methodology</u>	<u>Remarks</u>
	<b><u>Training Modules</u></b>		
	(a) <b><u>Progressive Training for Driving Skills.</u></b> Simulator will have Progressive training modules as follows to cover comprehensive training curriculum for Drivers with License starting from acquiring basics to advanced driving skills and will be developed on an actual city terrain and not test tracks for realistic driving feel. It will have the following modules :-	To be demonstrated.	
	(i) Training Modules- For Novice Driver and Trained Driver.	To be demonstrated.	
	(ii) Cockpit Training Video Module	To be demonstrated.	
	(iii) Defensive Driving Module (City, Hill, Highway and Deserts)	To be demonstrated.	
4.	(b) <b><u>Defensive Driving Test.</u></b> There will be a module that will test the driver in multiple driving scenarios giving learner an opportunity to drive in different risky situations anticipating the hazards correctly and hone his defensive driving skills. He will encounter more than 30 risky scenarios while driving this module.	To be demonstrated.	
	(c) <b><u>Performance Evaluation and Report Generation.</u></b> Simulator will be able to generate a test report in the form of soft copy and hard copy for accessing the performance of trainee against a set benchmark.	To be demonstrated.	
	(d) <b><u>Training Cues.</u></b> There will be written and vocal messages of basic rules for habitual safe driving. Training cues will be available in English or Hindi.	To be demonstrated.	
	(e) The software should be capable of fault finding, simulation of forced collision /accident/ vehicle breakdown etc. The software will also have the ability to amend the benchmark as necessary. Simulator will evaluate the driver throughout the training process. The evaluation criteria will be as per approved standards in India. A printed report will be generated at the end of each session. The system will also produce and print a consolidated report of the drivers entire training period.	To be demonstrated.	

<u>Ser No</u>	<u>Parameter</u>	<u>Methodology</u>	<u>Remarks</u>
5.	<b><u>Instructor Station Features</u></b>		
	(a) <b><u>Customized Scenario Settings.</u></b> The instructor station will enable the instructor to customize the following in various combinations:	To be demonstrated.	
	(i) Selection of routes	To be demonstrated.	
	(ii) Daylight conditions	To be demonstrated.	
	(iii) Weather conditions	To be demonstrated.	
	(iv) Traffic density	To be demonstrated.	
	(v) Health of vehicle	To be demonstrated.	
	(b) <b><u>Calibration of the Vehicle.</u></b> The instructor station will enable unlimited calibration of the following controls for easy self-maintenance:	To be demonstrated.	
	(i) Steering	To be demonstrated.	
	(ii) Brake	To be demonstrated.	
	(iii) Accelerator	To be demonstrated.	
	(iv) Clutch	To be demonstrated.	
6.	<b><u>Miscellaneous</u></b>		
	(a) Users/ Technical Manual on handling/ running, repair & maintenance to be provided in the maximum commonly speaking Indian languages or as specified by the user.	To be demonstrated.	
	(b) Illustrated parts catalogue including exploded view of the complete system & components be also provided.	To be demonstrated.	
	(c) Maintenance and Repair List of Spares (MRLS) be provided.	To be demonstrated.	
	(d) Maintenance tools/ kit be Provided.	To be demonstrated.	
	(e) Training of 10 days would be conducted in the user premises covering all aspects.	OEM Certification.	



<u>Ser No</u>	<u>Parameter</u>	<u>Methodology</u>	<u>Remarks</u>
7.	Guarantee : <b>Two years comprehensive warranty for the complete system.</b>		
8	<b><u>Specs of Motion Platform</u></b>		
	(a) Payload	To be demonstrated.	
	(i) Dynamic : As required (In Kgs)	To be demonstrated.	
	(ii) Static : As required (In Kgs)	To be demonstrated.	
	(b) Dynamics		
	(i) <b>Degree of Freedom</b> : <b>6</b>	To be demonstrated.	
	(ii) Pitch : $\pm 18^\circ$	To be demonstrated.	
	(iii) Roll : $\pm 18^\circ$	To be demonstrated.	
	(iv) Yaw : $\pm 15^\circ$	To be demonstrated.	
	(v) Surge : $\pm 170$ mm	To be demonstrated.	
	(vi) Sway : $\pm 170$ mm	To be demonstrated.	
	(vii) Heave : $\pm 170$ mm	To be demonstrated.	
	(c) Design Parameters		
	(i) Closed height : 1300mm	To be demonstrated.	
	(ii) Operating height : 1470mm	To be demonstrated.	
	(iii) Maximum height : 1640mm	To be demonstrated.	
	(iv) Frame size : 6 ft x 4 ft ( <b>Ideal Size</b> )	To be demonstrated.	
(v) Velocity	To be demonstrated.		

<u>Ser No</u>	<u>Parameter</u>	<u>Methodology</u>	<u>Remarks</u>
	aa) Pitch, Roll & Yaw - $\pm 25^\circ$ /Sec	To be demonstrated.	
	(ab) Heave, Sway & Surge - $\pm 350$ mm/Sec	To be demonstrated.	
9	The <b>Service Life</b> of the product would be <b>minimum 10 yrs.</b>	OEM Certification	

**Note : Trialability/ Testing of Parameters.** Systems/ components fitted in the simulators shall meet the applicable IS/AIS/JSS standards and tested in accredited test labs. For applicable components fitted in vehicle where Type Approval is mandated, same shall be tested in accredited labs in accordance with applicable standards.

**Appendix G**  
(Refers to Para 38 of RFP)

**DRAFT ATP GUIDELINES**

1. Bidders to submit draft ATP, along with their Technical Bid.
2. Draft Acceptance Test Procedure for the Equipment/ System should mainly consist of the following: -
  - (a) **Scope & Introduction.** Includes the scope, introduction & propose of the document and general information about the equipment.
  - (b) **Brief description of the Equipment/ System.** Brief description of the equipment/ system be highlighted indication the salient features, Equipment/ System configuration, interfaces involved and its compatibility and role in the main system where it is intended to be used.
  - (c) **Safety/ Security aspects, if any.**
  - (d) **Technical Specifications.** TS of the equipment be indicated along with dimension, weight of the equipment etc. operational requirements & Pictorial representation of the equipment/ system be provided under this section.
  - (e) **Reference documents including list of drawings, related Standards, Specifications etc.** Includes Reference documents/ drawings of the equipment, Standards/ Specifications up to which he equipment/ system is complied.
  - (f) **Bill of Materials.** BoM as per the following format be included.

S. N O	Item Name/ Descri ption	Part Num ber	NSN Num ber	Draw ing Num ber	Manu factur er	Sch emat ic Refe renc e	Stand ard of Refer ence	Qt y No s	Mil/ Industrial/ Commerci al

- (g) **Test Instruments / Accessories required.** Test Instruments/ Accessories required for conduct of ATP be mentioned along with Part number, Make/ Model etc.
- (h) **Qualification/ Environmental Tests.** Applicable class from relevant JSS, as per RFP for Environmental testing be mentioned along with test severities and procedures to be followed for the conduct of the test. Pre, in-situ & Post Performance test to check the performance of the equipment be included.

- (j) **Acceptance/ Performance Tests**. Includes the Visual, Electrical & Functional tests. Functional Test procedure along with diagram showing Test set up to be mentioned. Final acceptance/ Performance checks comes under this section. Tests can be carried out under lab & field conditions needs to be mentioned separately.
- (k) **Applicability of ESS/ Endurance test**. ESS procedure to be followed be mentioned and the procedure for carrying out the Endurance test be included.
- (l) **Quality Audit points/ Checks/ Methodology including Real Time/ Online Audit activities & list of critical processes**. Process audit methodology to be carried by mentioned.
- (m) **Quality Audit Flow Chart/ Process Monitor Points**. Mutually agreed Audit flow chart be mentioned by quoting Relevant ISO standards.
- (n) **Operational checks/ Tests**. Includes Quick checks/ Tests with ATE/BITE/Processor based Auto Diagnostic checks on the store, if equipped with, before release of the store to the Consignee.
- (o) **Test & Measurement Record (TMR)**. TMR sheet with expected output be mentioned.
- (p) **Acceptance criteria including Sampling Plan, if any**. Acceptance criteria be mentioned under this section.

### **Note**

- (i) Weight and dimension should have tolerance.
- (ii) Weight of the system shall specify along with power systems including Genset/ UPS wherever required.
- (iii) Sampling plans to be invoked wherever feasible.
- (iv) Certain test requires permission from authorities such as long range comn, jamming tests, detection of drones, use of DEW etc. Necessary permissions need to be obtained by SELLER.

**Appendix H**  
(Refers to Para 44 of RFP)

**COMMERCIAL CLAUSES**

1. **Payment Terms**

1.1 **INCOTERMS for Delivery**

1.1.1 The delivery of goods will be based on DDP INCOTERMS-2020 with details of location of ultimate consignee with quantity for installation/ commissioning of simulators are as follows: -

<b><u>S No</u></b>	<b><u>Consignee</u></b>	<b><u>Location</u></b>	<b><u>Quantity</u></b>
(a)	Recruit Training Group, Armoured Corps Centre and School	Ahmednagar, Maharashtra	6
(b)	Mechanised Infantry Regimental Centre	Ahmednagar, Maharashtra	3
(c)	GUARDS Regimental Centre	Kamptee, Maharashtra	3
(d)	Artillery Regimental Centre	Hyderabad, Telangana	12
(e)	Artillery Regimental Centre	Nashik Road, Maharashtra	12
(f)	Madras Engineering Group	Bangaluru, Karnataka	6
(g)	Bombay Engineering Group	Roorkee, UP	6
(h)	Bombay Engineering Group	Kirkee, Maharashtra	6
(j)	1 Electronics and Mechanical Regimental Centre	Secundrabad, Telangana	6
(k)	3 Electronics and Mechanical Regimental Centre	Bhopal, MP	6
(l)	Corps of Military Police Centre	Bangaluru, Karnataka	3
<b>Total</b>			<b>69</b>

1.1.2 **Consignee Details of Technical Literature.** One copy of User Hand Book should be supplied along with the main equipment. The consignee details for five (05) additional copies of User Hand Book and other technical documents should be delivered to; Colonel Transport, DGST (ST-11), Room No 323, Sena Bhawan, Rajaji Marg, New Delhi 110005.

1.2. **Currency of Payment.** Indian bidders should submit their bids in Indian Rupees.

### 1.3 **Contract Price and Requirement of Bank Guarantees.**

1.3.1 **Total Contract Price.** The Total Contract Price will be the final price negotiated by Contract Negotiation including taxes and duties applicable at the time of signing of Contract.

1.3.2 **Base Contract Price.** The Base Contract Price will be considered as Total Contract Price excluding taxes, duties applicable at the time of signing of Contract and excluding the Total Price of CMC.

1.3.3 **Bank Guarantee(s).** For the purpose of payment of Advances to the Bidder and submission of various Bank Guarantees by the Bidder i.e Advance Payment Bank Guarantee (APBG) and Additional Bank Guarantee (ABG), as applicable, Base Contract price will be considered. For Performance cum Warranty Bank Guarantee (PWBG), Total Contract Price including taxes and duties is to be considered. The prescribed format of the Advance Payment Bank Guarantee (APBG) is placed at **Annexure II to Appendix H.**

1.3.4 For orders with CMC, an additional Performance Bank Guarantee (PBG) is to be submitted by the Bidder for which the Total Price of CMC for contracted duration will be considered.

1.3.5 All Bank Guarantee(s) requirements viz Advance Payment Bank Guarantee (APBG), Performance-cum-Warranty Bank Guarantee (PWBG), Additional Bank Guarantee (ABG), Performance Bank Guarantee (PBG) etc are to be submitted. Bank Guarantee(s) shall be from any Indian Public or Private Scheduled Commercial Bank.

### 1.4 **Payment to Indian Bidders.** The schedule for payments will be based on the Buyers requirements, enumerated at succeeding Paragraphs. The summary of delivery schedule, payments to be made and schedule of submission/release of Advance Bank guarantee (s), as applicable, is specified at Annexure II and Annexure V to this Appendix.

1.4.1 **Advance Payment.** Fifteen (15) % of the Base Contract Price shall be paid within thirty (30) days of submission of claim and a Bank Guarantee for the equivalent amount, subject to correction and acceptability of the documents submitted. The prescribed format of the Advance Payment Bank Guarantee (APBG) is placed at **Annexure II to this Appendix.** The Advance Payment Bank Guarantee (APBG) will deemed to be proportionately and automatically reduced until full extinction along with and prorata to value of each delivery, as evidenced by corresponding copy of document proving delivery and invoices of goods/services supplied/provided. The date of delivery would be reckoned from the date of signing of contract ( $T_0$ ).

1.4.2 **On Dispatch.** 60% of the Base contract price of deliverables (Excluding Training Cost) and reimbursement of 100% taxes and levies on pro-rata basis shall be paid on proof of dispatch of deliverables to the consignee and on production of an inspection note issued by the buyer designated inspection agency. Number and date of the Railway/Road/Air Transport receipt

under which the deliverables charged for in the bill are dispatched by rail/road/Air and the number and date of letter with which such receipt is forwarded to the consignee, should be quoted on the bill. The payment will be made by PCDA/CDA through cheque/Electronic Fund Transfer (EFT) on submission of following documents: -

1.4.2.1 Ink-signed copy of Seller's bill.

1.4.2.2 Ink-signed copy of Commercial invoice.

1.4.2.3 The relevant Transport Receipt.

1.4.2.4 Inspection Acceptance Certificate of Buyer's QA agency demonstrating compliance with the technical specifications of the contract.

1.4.2.5 Packing List.

1.4.2.6 Certificate of Origin.

1.4.2.7 Claim for statutory and other levies to be supported with requisite documents/GST invoice (with QR code, when made applicable)/proof of payment, as applicable.

1.4.2.8 Exemption certificate for taxes/duties, if applicable.

1.4.2.9 Warranty certificate from the SELLER.

1.4.3 In case of failure of the Seller to deliver the deliverables to the Buyer or inordinate delay in the said delivery leading to Termination of the Contract in accordance with Article 22A.1 of SCD, the SELLER will be liable to return payments received against dispatch.

1.4.4 **On Final Acceptance and Installation/ Commissioning.** The remaining **25 %** of the Base Contract Price of deliverables (Excluding Training Cost) shall be paid on pro-rata basis within thirty (30) days of submission of the Acceptance Certificate & Certified Receipt Voucher (CRV) issued by the Buyer and other relevant documents as mentioned above for final payment, but such payments will be subject to the deductions of such amounts as the Seller may be liable to pay under the agreed terms of the Contract. The concerned PCDA/CDA will release the payment through cheque/EFT.

1.4.5 **Part-Dispatch/ Part-Shipment.** Part-dispatch or part-shipment of goods is permitted and corresponding payment will be released to the Seller, subject to quantity not less than Three (03), for a particular consignee location is despatched/ shipped. For consignee locations, where the quantity is less than Three (03) then the applicable quantity/ balance quantity as per table at Para 1.1.1 of this Appendix could be despatched. Transhipment is not permitted for deliverables.

1.4.6 **Payment for Training.** **85% payment (including 100% taxes/ levies)** for training of DGQA, Operators and Maintenance personnel will be done after completion of training as given in **Para 15** of RFP. Vendor will also furnish training completion certificate from buyer, prior to payment for training.

1.4.7 **CMC Payments.** Annually payments will be made by PCDA/CDA on submission of User clearance certificate through issue of cheque/ECS.

1.4.8 **Payment of Taxes and Duties.** Payment of taxes, duties and statutory levies will be made on submission of requisite documentary proof to Paying authority. Reimbursement of taxes and duties will be as per rates and amounts indicated in the commercial bid/contract or as per actuals whichever is lower.

1.4.9 **Exchange Rate Variation.** Exchange Rate variation shall be applicable for Rupee contracts with Indian Vendors, based on RFPs issued under all categories of capital acquisitions mentioned at Para 8 to 12 of Chapter I of DAP. The indigenous & import components as also the various currencies (of the import components) for ERV purposes, must be determined in advance. The guidelines on protection of Exchange Rate Variation are given at **Annexure I to this Appendix.** No reimbursement of custom duties is applicable for imported input materials to the Bidder.

2. **Performance-cum-Warranty Bank Guarantee Clause.** A Performance-cum-Warranty Bank Guarantee (PWBG) of **Three (03) % (or as applicable during signing of contract) of value of the Total Contract Price including taxes and duties** would be furnished by the Bidder in the form of a Bank Guarantee to sequentially act as Performance Bank guarantee till the delivery and as Warranty Bank Guarantee on delivery. The PWBG shall be submitted by the Bidder within one month of signing of contract and shall be valid for a period, until three months beyond the warranty period, as specified in the RFP. If at any stage, the Performance Guarantee is invoked by the Buyer either in full or in part, the Bidder shall make good the shortfall in PWBG within **30 days** by an additional Bank Guarantee for equivalent amount. In the event of failure to submit the required Bank Guarantee against invoked Performance Guarantee, equivalent amount will be withheld from the next stage payment till the shortfall in the Bank Guarantee is made good by the Bidder. The prescribed format of the Performance-cum-Warranty Bank Guarantee is placed at **Annexure III to this Appendix.**

3. **Performance Bank Guarantee for CMC.** The Bidder will be required to furnish a Performance Guarantee by the way of a Bank Guarantee of a sum equal to 3% of the Total Price of CMC for contracted duration prior to expiry/ return of the PWBG of the Main Contract. Performance Bank Guarantee should be valid for 03 months beyond the period of the CMC. The format of the Performance Bank Guarantee is to be as per **Annexure III to this Appendix.**

4. **Inspection.** Pre Dispatch Inspection (PDI) would be at the discretion of the Buyer. In addition, Joint Receipt Inspection (JRI) may also be carried out. If it is PDI, the Bidder should intimate at least **30 days** prior to the day when the equipment is to be offered for PDI to enable Buyer's QA personnel to be available for inspection. All the expenses towards PDI will be borne by the Bidder except transportation and accommodation of Buyer's PDI team, which will be deputed at Buyer's expense. In case of rejection of Goods during PDI, re-PDI will be undertaken at Bidder's premises at Buyer's sole discretion. All expenses including transportation and accommodation of Buyer's PDI team will be borne by the Bidder. Towards this, the expenses towards transportation and accommodation of Buyer's PDI team will be initially done by the Buyer and subsequently reimbursed by the Bidder either by remittance or by recovery from the Balance Payment/PWBG. In the event of a failed PDI, the Bidder shall



consult the Buyer for rescheduling re-PDI. In case of JRI, the representative of the Seller may be present for inspection after the equipment reaches the concerned destination. The Seller would be informed of the date for JRI. The PDI and JRI should be completed within **30 days** of intimation from the bidder. **The date of completion of JRI and the date from which warranty is applicable (duly endorsed by representative of both Buyer & Seller) should be mentioned in respective log book and User Hand Book of the main equipment and accessories.**

5. **Liquidated Damages (LD).** In the event of the Bidder's failure to submit the Documents, supply the stores/ goods, perform services, installation of equipment and training as per schedule specified in this contract, the BUYER may, at his discretion withhold cost of the specific lot/ batch or 1% of the Project cost, whichever is higher, until the completion of the contract. The BUYER may also deduct from the SELLER as agreed, liquidated damages to the sum of **1.5%** per week for every week of delay or part of a week, subject to the maximum value of the Liquidated Damages being not higher than **15%** of the contract price of delayed stores/ services (Any extension given by the Buyer for delay attributable to Buyer or Force Majeure Clause to be factored in delivery period).

6. **Payment Deductions and Damages for Shortfalls in CMC Services.** In case the cumulative downtime exceeds **30 (working days) in a year**, payment will be deducted. The total downtime will be calculated **at the end of the year** and **payments will be deducted.** The total payments to be deducted will be calculated as follows: -

(a) Payments would be deducted on pro-rate basis for the duration, by which cumulative downtime exceeds 30 (working days), as follows: -

(i) Per year CMC = 'X<sub>1</sub>'

(ii) Period by which cumulative downtime exceeds the specified cumulative downtime, in days = 'Y<sub>1</sub>'

(iii) Payment Deduction = 'Z<sub>1</sub>',  
Where  $Z_1 = [(X_1 / \text{Number of days in the year}) * Y_1]$

(b) In addition, damages would be deducted to the sum of 0.1% of the per annum CMC cost per day, for the duration, by which cumulative downtime exceeds the maximum permissible cumulative downtime per year, subject to the maximum value of this damages not being higher than 5% of the annual CMC cost.

7. **Denial Clause.** In case the delay in delivery is attributable to the Seller or a non-force majeure event, the Buyer may protect himself against extra expenditure during the extended period by stipulating a denial clause (over and above levy of LD) in the letter informing the Seller of extension of the delivery period. In the denial clause, any increase in statutory duties and/or upward rise in prices due to the Price Variation Clause (PVC) and/or any adverse fluctuation in foreign exchange are to be borne by the Seller during the extended delivery period, while the Buyer reserves his right to get any benefit of downward revisions in statutory duties, PVC and foreign exchange rate. Thus, PVC, other variations and foreign exchange clauses operate only during the original delivery period. The format for extension of delivery period/performance notice under the Denial clause is at **Annexure IV to this Appendix.**

**Annexure I to Appendix H**  
(Refers to Para 1.4.9 of Appendix H)

**GUIDELINES OF PROTECTION OF EXCHANGE RATE VARIATION IN CONTRACTS**

1. Parameters to be kept in view while formulation ERV Clause.

(a) In contracts with Indian Vendors in all categories of capital acquisitions where there is an import content, ERV clause will be provided. However, ERV clause shall not be applicable to contracts in following conditions: -

(i) The delivery period is less than one year; or

(ii) The rate of exchange variation is within the band of +/- 2.5%.

(b) ERV clause will be framed according to the specific requirements of the contract. While calling for information at the RFP stage/formulation of ERV clauses in the contracts, the following factors are to be taken into consideration depending upon the requirements of the individual contracts: -

(i) Year wise and major currency wise import break up is to be indicated.

(ii) Detailed time schedule for procurement of imported material/Services and their value at the FE rates adopted for the contract is to be furnished by the vendor as per the format given below: -

YEAR	TOTAL COST OF IMPORTED MATERIAL /SERVICES (In rupees)	FE CONTENT-OUT FLOW (equivalent in rupees ₹ in crore)			
		DOLLAR DENOMINATED	EURO DENOMINATED	POUNDS DENOMINATED	OTHER CURRENCIES DENOMINATED (as applicable)

(iii) ERV clause will not be applicable in case delivery periods for imported content are subsequently to be refixed/extended unless the reasons for delivery period extension are attributable to the buyer.

(iv) For purposes of ensuring uniformity, the Base Exchange Rate on the ERV reckoning date will be adopted for each of the major foreign currencies. The Base Exchange Rate will be the BC Selling Rate of the Parliament Street Branch of State Bank of India, New Delhi. The ERV reckoning date will be the last date of submission of commercial bids as per RFP. In cases where Option Clause is exercised, the date of reckoning of ERV will be the last date of submission of bids for the RFP of the Original Procurement Case.

(v) ERV clause in the contract is to clearly indicate that ERV is payable/refundable depending upon exchange rate as prevalent on the date of transaction with reference to Base Exchange Rate on the ERV reckoning date.

(vi) Other issues which are peculiar to the contract.

## 2. **Methodology For Claiming ERV**

“The prices finalised in the contract are based on the base exchange rates indicated in the contract. The year-wise amount of foreign exchange component of the imported items as indicated in the contract shall be adjusted for the impact of exchange Rate Variation of the Rupee based on the exchange rate prevailing on the date of each transaction, as notified by the SBI, Parliament Street Branch, New Delhi. The impact of notified Exchange Rate Variation shall be computed on an yearly basis for the outflow as tabulated in Annexure..... (The table at Para 1(b) (ii) is to be an Annexure to the contract) and shall be paid/refunded before the end of the financial year based on the certification of Finance Head of the concerned Division.....”.

3. Paying authority is to undertake a pre-audit of the documents before payment.

4. Documentation for Claiming ERV. The following documents would need to be submitted in support of the claim on account of ERV:-

- (a) A bill of ERV claim enclosing worksheet.
- (b) Banker's Certificate/debit advice detailing Foreign Exchange paid and Exchange rate as on date of transaction.
- (c) Copies of import orders placed on the suppliers.
- (d) Invoice of supplier for the relevant import orders.

**Annexure II to Appendix H**  
(Refers to Para 1.3.3, 1.4 and 1.4.1 of **Appendix H**)

**BANK GUARANTEE FORMAT FOR ADVANCE**

To

The \_\_\_\_\_  
Ministry of \_\_\_\_\_  
Government of India

\_\_\_\_\_ (complete postal address of the beneficiary)

1. "Whereas President of India represented by the \_\_\_\_\_ Ministry of \_\_\_\_\_ Government of India (hereinafter referred to as BUYER) have entered into a Contract \_\_\_\_\_ No. \_\_\_\_\_ (No. of Contract), dated \_\_\_\_\_ (Date of Contract) with M/s \_\_\_\_\_ (Name of SELLER) (referred to as SELLER) and whereas according to the said Contract the BUYER has undertaken to make an advance payment of Rs/ US \$/Euro/PS £/Yen/AUD/SGD \_\_\_\_\_ being \_\_\_\_\_ payment of \_\_\_\_\_% of the total value of Rs/ US \$/Euro/PS £/Yen/AUD/SGD \_\_\_\_\_ of the said Contract, against issuance of an advance guarantee by a bank."

2. We \_\_\_\_\_ (indicate the name of the bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the BUYER intimating that the SELLER is in breach of the Contractual obligations stipulated in the said Contract. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our total liability under this guarantee shall be restricted to an amount not exceeding Rs/ US \$/Euro/PS £/Yen/AUD/SGD \_\_\_\_\_.

3. We undertake to pay to the BUYER any money so demanded notwithstanding any dispute or disputes raised by the SELLER in any suit or proceedings pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the SELLER shall have no claim against us for making such payment.

4. We, further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and that it shall continue to be enforceable till all the dues of the BUYER under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged or till \_\_\_\_\_ office/ Department/ Ministry of \_\_\_\_\_ certifies that the terms and conditions of the said Contract have been fully and properly carried out by the said SELLER and accordingly discharges this guarantee.

5. We, further agree with the BUYER that the BUYER shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said SELLER from time to time or to postpone for any time or from time to time any of the powers exercisable by the BUYER against the said SELLER and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, Amendment issued vide MoD ID No. 4(50)/D(Acq)/08 dated 20.06.2016 or extension being granted to the said SELLER or for any forbearance, act or omission on the part of the BUYER or indulgence by the BUYER to the said SELLER or by any such matter or thing whatsoever which under law relating to sureties would, but for this provision, have effect of so relieving us.

6. The amount of this guarantee will be progressively reduced by (percentage of advance) \_\_\_\_\_ of total value of each part shipment/services against the stage payment released by the BUYER for that shipment/services made by the SELLER and presentation to us of the payment documents.

7. This guarantee will not be discharged due to the change in the constitution of the bank or the BUYER/SELLER.

8. We, undertake not to revoke this guarantee during the currency except with the previous consent of the BUYER in writing.

9. Notwithstanding anything contained herein above: -

(a) Our liability under this Guarantee shall not exceed Rs/ US \$/Euro/PS £/Yen/AUD/SGD \_\_\_\_\_ (in words) \_\_\_\_\_

(b) This Bank Guarantee shall remain valid until \_\_\_\_\_ (hereinafter the expiry date of this guarantee) the Bank Guarantee will cease to be valid after \_\_\_\_\_ irrespective whether the Original Guarantee is returned to us or not.

(c) We are liable to pay guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written demand or a claim in writing on or before \_\_\_\_\_ (Expiry Date).

Dated the \_\_\_\_\_ day of \_\_\_\_\_ (month and year)

Place :

Signed and delivered by \_\_\_\_\_ (Name of the bank)

Through its authorised signatory

(Signature with seal)

**Annexure III to Appendix H**  
(Refers to Para 2 & 3 of Appendix H)

**BANK GUARANTEE FORMAT FOR PERFORMANCE-CUM-WARRANTY AND COMPREHENSIVE MAINTENANCE CONTRACT**

To

The \_\_\_\_\_  
Ministry of \_\_\_\_\_  
Government of India  
\_\_\_\_\_ (complete postal address of the beneficiary)

Dear Sir,

1. Whereas President of India represented by the \_\_\_\_\_ Ministry of \_\_\_\_\_, Government of India (hereinafter referred to as BUYER) have entered into a Contract No. \_\_\_\_\_ dated \_\_\_\_\_ (hereinafter referred to as the said Contract) with M/s. \_\_\_\_\_ (hereinafter referred to as the SELLER) for supply of goods as per Contract to the said BUYER and whereas the SELLER has undertaken to produce a bank guarantee amounting to Rs/ US \$/Euro/PS £/Yen/AUD/SGD \_\_\_\_\_ which is 3% **(or as applicable during signing of contract)** of the Total Contract Price (including taxes and duties) to cover 3% **(or as applicable during signing of contract)** of Total Contract Price (including taxes and duties) each for Performance and Warranty in sequence, to secure its obligations towards Performance-cum-Warranty to the BUYERS.

2. We, the \_\_\_\_\_ bank hereby expressly, irrevocably and unreservedly undertake the guarantee as principal obligors on behalf the SELLER that, in the event that the BUYER declares to us that the amount claimed is due by way of loss or damage caused to or would be caused or suffered by the BUYER by reason of breach/failure to perform by the said SELLER of any of the terms and conditions in the Contract related to Performance and Warranty clauses, we will pay you, on demand and without demur, all and any sum up to {3% **(or as applicable during signing of contract)** of Total Contract Price (including taxes and duties)} \_\_\_\_\_ Rupees/ US \$/Euro/PS £/Yen/AUD/SGD only at any instance under this Guarantee. Your written demand shall be conclusive evidence to us that such repayment is due under the terms of the said Contract. We shall not be entitled to ask you to establish your claim or claims under this guarantee but will pay the same forthwith without any protest or demur. We undertake to effect payment upon receipt of such written demand.

3. We shall not be discharged or released from the undertaking and guarantee by any arrangements, variations made between you and the SELLER, indulgence to the SELLER by you, or by any alterations in the obligations of the SELLER or by any forbearance whether as to payment, time performance or otherwise.

4. We further agree that any such demand made by the BUYER on the Bank shall be conclusive, binding, absolute and unequivocal notwithstanding any difference or dispute or controversy that may exist or arise between you and the SELLER or any other person.

5. In no case shall the amount of this guarantee be increased.

6. This Performance-cum-Warranty guarantee shall remain valid for a period until three months beyond the warranty period as specified in the Contract i.e. up to \_\_\_\_\_.

7. Subject to the terms of this Bank Guarantee, the issuing bank hereby irrevocably authorizes the beneficiary to draw the amount of up to Rs/ US \$/Euro/PS £/Yen/AUD/SGD \_\_\_\_\_ {3% **(or as applicable during signing of contract)** of Total Contract Price (including taxes and duties)} for breach/failure to perform by the SELLER of any of the terms and conditions of the Contract related to performance and warranty clause. Partial drawings and multiple drawings under this Bank Guarantee are allowed within the above stated cumulative amount subject to each such drawing not exceeding 3% **(or as applicable during signing of contract)** of the Total Contract Price (including taxes and duties) (Rs/ US \$/Euro/PS £/Yen/AUD/SGD \_\_\_\_\_ only) (Mention BG amount).

8. This guarantee shall be continuing guarantee and shall not be discharged by any change in the constitution of the Bank or in the constitution of M/s \_\_\_\_\_. We undertake not to revoke this guarantee during the currency except with previous consent of BUYER in writing.

9. Notwithstanding anything contained herein above:

(a) Our liability under this Guarantee shall not exceed Rs/ US \$/Euro/PS £/Yen/AUD/SGD \_\_\_\_\_ (Rupees \_\_\_\_\_ only (in words)).

(b) This Bank Guarantee shall remain valid until 3 months from the date of expiry of warranty period of the Contract, i.e up to \_\_\_\_\_ (mention the date) which is 3 months after expiry of the warranty period and the BG shall cease to be valid after \_\_\_\_\_ irrespective whether the Original Guarantee is returned to us or not.

(c) We are liable to pay guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written demand or a claim in writing on or before \_\_\_\_\_ (Expiry Date).

Dated the \_\_\_\_\_ day of \_\_\_\_\_ (month and year)

Place :

Signed and delivered by \_\_\_\_\_ (name of the bank)

Through its authorised signatory  
(Signature with seal)

**Annexure IV to Appendix H**  
(Refers to Para 7 of Appendix H)

**FORMAT FOR EXTENSION OF DELIVERY PERIOD/PERFORMANCE NOTICE**

Name of the Procuring Entity.....

Extension of Delivery Period/Performance Notice

To  
M/s (name and address of firm)

Sub: Contract No..... dated.....for the supply of.....

Ref: Your letter no. .... dated: .....

Dear Sir,

1. You have failed to deliver {the (fill in qty.) of Stores/the entire quantity of Stores} within the contract delivery period [as last extended up to] (fill in date). In your letter under reply you have asked for [further] extension of time for delivery. In view of the circumstances stated in your said letter, the time for delivery is extended from (fill in date) to (fill in date).

2. Please note that notwithstanding the grant of this extension in terms of Clause (fill in clause number) of the subject contract an amount equivalent to ..... % (..... per cent) of the delivered price of the delayed goods for each week of delay or part thereof (subject to the ceiling as provided in the aforesaid clause) beyond the original contract delivery date/the last unconditionally re-fixed delivery date (as & if applicable), viz., (fill in date) will be recovered from you as liquidated damages. You may now tender the Stores for inspection [balance of the Stores] in terms of this letter. Stores if any already tendered by you for inspection but not inspected will be now inspected accordingly.

3. You are also required to extend the validity period of the performance guarantee for the subject contract from (fill in present validity date) to (fill in required extended date) within 15 (fifteen) days of issue of this amendment letter.

4. The above extension of delivery date will also be subject to the following Denial Clause:-

(a) That no increases in price on account of any statutory increase in or fresh Imposition of customs duty, GST or on account of any other taxes/duty, including custom duty), leviable in respect of the Stores specified in the said contract which takes place after (insert the original delivery date) shall be admissible on such of the said Stores, as are delivered after the said date; and,

(b) That notwithstanding any stipulation in the contract for increase in price on any other ground including foreign exchange rate variation, no such increase which takes place after (insert the reckoning date as per DAP 2020) shall be admissible on such of the said Stores as are delivered after the said date.



(c) But nevertheless, the Buyer shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, GST or on account of any other Tax or duty or on any other ground as stipulated in the price variation clause or foreign exchange rate variation which takes place after (insert the original delivery date).

5. All other terms and conditions of the contract remain unaltered. This is without any prejudice to Buyer's rights under the terms and conditions of the subject contract.

6. Please intimate your unconditional acceptance of this amendment letter within 10 (ten) days of the issue of this letter failing which the contract will be cancelled at your risk and expense without any further reference to you.

Yours faithfully,  
(Authorised Officer)  
Duly authorised,  
for and on behalf of  
The President of India

**Note:** Select one option within { } brackets; delete portion within [ ] brackets, if not applicable; fill in ( ) brackets. Brackets and this note are not to be typed.

Substitute following first para instead of first para in format above, for issuing a performance notice.

1. You have failed to deliver {the (fill in qty.) of Stores/the entire quantity of Stores} within the contract delivery period [as last extended up to] (fill in date). In spite of the fact that the time of delivery of the goods stipulated in the contract is deemed to be of the essence of the contract, it appears that (fill in the outstanding quantity) are still outstanding even though the date of delivery has expired. Although not bound to do so, the time for delivery is extended from (fill in date) to (fill in date) and you are requested to note that in the event of your failure to deliver the goods within the delivery period as hereby extended, the contract shall be cancelled for the outstanding goods at your risk and cost.

**Annexure V to Appendix H**  
(Refers to Para 9 of RFP and Para 1.4 of Appendix H)

**DELIVERY SCHEDULE AND STAGES OF PAYMENT**

1. The broad guidelines for payments terms are appended in subsequent Paras.
2. **For Delivery in Multiple Lot**

SI	Activity	Quantity	Delivery Timelines (T <sub>0</sub> + Months)	Scheme for Payment	Scheme for submission and Return of Advance Payment Bank Guarantees	Remarks
(a)	Signing of contract		T <sub>0</sub>	Fifteen (15) % of the Base Contract Price	APBG of equivalent amount to be submitted	T <sub>0</sub> is the date of signing of contract  Payment of advance within thirty (30) days of submission of claim.  Refer Para 1.4.1 of <b>Appendix H.</b>
(b)	<b>On Dispatch of Deliverables</b>					
(i)	On Dispatch of all deliverables (Minimum Lot – 03)	34	T <sub>0</sub> to T <sub>0</sub> + 6 months	60% of the base contract price of deliverables (excluding training cost)		
(ii)	On Dispatch of all deliverables (Minimum Lot – 03)	35	T <sub>0</sub> + 7 to T <sub>0</sub> + 12 months	and reimbursement of 100% of taxes and levies of the deliverables despatched on pro rate basis.		

(c)	<b>On Acceptance and Completion of Installation &amp; Commissioning</b>					
(i)	On Delivery of all deliverables (Minimum Lot – 03)	34	$T_0$ to $T_0 + 6$ months	25% of the base contract price of deliverables (excluding training cost) on completion of Installation and commissioning and acceptance of other deliverables on pro rate basis	APBG is to be returned on acceptance/ Installation & Commissioning (as applicable) of all deliverables to the seller	Technical literature should be delivered along with the first lot of the main equipment being delivered as per Para 1.1.2 of Appendix 'H'.
(ii)	On Delivery of all deliverables (Minimum Lot – 03)	35	$T_0 + 7$ to $T_0 + 12$ months	85% of the cost of Training (including 100% taxes/ levies) on successful completion of training.	APBG is to be returned on completion of training to the seller	
(d)	Training	-	Completion of Training (as per Para 15 of RFP)			

**Appendix J**

(Refers to Para 44 and 54 (b) of RFP)

**EVALUATION CRITERIA AND PRICE BID FORMAT**

1. **Evaluation Criteria.** The guidelines for evaluation of Bids will be as follows: -

1.1. Only those Bids will be evaluated, which are found to be fulfilling all the eligibility and qualifying requirements of the RFP, both technically (Including Demonstration/ Evaluation) and commercially. The bidder, whose price is arrived as lowest as per Evaluation criteria given in this Appendix, will be declared as L-1 bidder by Buyer.

1.2 Custom duty on input materials shall not be loaded by the Indian Bidders in their price bids, if they are exempted under the existing Notifications. In such cases, necessary Custom Duty Exemption Certificate (CDEC) shall be issued by the Buyer. In cases where Custom Duty is not exempted, Basic Custom Duty on input material is to be included in the cost of Basic Equipment, Installation/ commissioning/ Integration, MRLS, SMT, STE, ESP and any other item listed at Column (ii) of Para 2 below.

1.3 If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price will prevail and the total price will be corrected based on indicative rates of taxes and duties at columns (vi) and (vii) of Para 2 below. If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price.

2. **Price Bid Format.** The Price Bid Format is given below and Bidders are required to fill this correctly with full details. No column of the Bid format has to be left blank. The clubbing of serials/sub serials to indicate a consolidated cost is not acceptable. Columns of 'quantity', 'unit cost', 'total cost (including all taxes and duties)', 'GST/IGST (%) and Custom Duty (%) are to be filled up with '0', 'positive numerical values' or 'Not Applicable' at every row as applicable. If any column is not applicable and intentionally left blank, the reason for the same has to be clearly indicated in the remarks column.

Ser	Items	Qty	Unit Cost	Total Cost (iii) x (iv)	Indicative Rate of Taxes & Duties used to arrive at Total Cost (as applicable)		Total Cost (including all taxes & duties) (v) + (vi) + (vii)	Remarks
					GST/IGST (%) (vi)	Custom Duty (%) (vii)		
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)
A.	Cost of Universal Driving	69						

Ser	Items	Qty	Unit Cost	Total Cost (iii) x (iv)	Indicative Rate of Taxes & Duties used to arrive at Total Cost (as applicable)		Total Cost (including all taxes & duties) (v) + (vi) + (vii)	Remarks
					GST/IGST (%)	Custom Duty (%)		
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)
	<b>Simulators with accessories</b>							
B.	Cost of <b>Installation/Commissioning/Integration</b> (where applicable)							
C.	Cost of <b>Operator's Manual and Technical Literature</b> (in English Language) including <b>Illustrated Spare Parts List</b> as per <b>Annexure I to Appendix E.</b>							
D.	Cost of recommended period of <b>Training</b> excluding the cost of travel and boarding and lodging. This should be given as per <b>Annexure II to Appendix E.</b>							
E.	Cost of CMC in years	<b>04 Years</b>						<b>Year wise breakup to be given post warranty</b>
F.	<b>Any other cost</b> (to be specified).							
G.	<b>Freight and</b>							

Ser	Items	Qty	Unit Cost	Total Cost (iii) x (iv)	Indicative Rate of Taxes & Duties used to arrive at Total Cost (as applicable)		Total Cost (including all taxes & duties) (v) + (vi) + (vii)	Remarks
					GST/IGST (%)	Custom Duty (%)		
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)
	Transit Insurance Cost (where applicable).							
H.	<b>Total Cost</b> (Total of Serial A to G)						#	# This will be used in determining L1 vendor (duly applying provisions of Para 1 above).
	<b>Total Cost as per serial H (in words)</b>							
J.	<b>Foreign Exchange component</b> of the proposal. (for Indian Vendors only)							This will be with reference to Para 1.2 of Appendix H.
K.	<b>CDEC (if applicable)</b> , its authority and amount for which required.							

**Note: Taxes and Duties.** All Indirect Taxes and Duties will be paid at actuals or as indicated in the Commercial bid by the Bidder, whichever is lower. In case of any change in the tax structure/rates by BUYER's Government, only incremental/decremented change will be paid.

**Appendix K**  
(Refers to Para 49 of RFP)

**STANDARD CONDITIONS OF RFP**

**LAW**

1. The present Contract shall be considered and made in accordance to the laws of Republic of India.

**ARBITRATION**

(For Indian Private Vendors)

2.1 All disputes or differences arising out of or in connection with the present Contract, including the one connected with the validity of the present Contract or any part thereof, shall be settled by bilateral discussions.

2.2 Any dispute, disagreement or question arising out of or relating to this Contract or relating to construction or performance (except as to any matter the decision or determination whereof is provided for by these conditions), which cannot be settled amicably, shall within sixty (60) days or such longer period as may be mutually agreed upon, from the date on which either party informs the other in writing by a notice that such dispute, disagreement or question exists, will be referred to the Arbitration Tribunal consisting of three arbitrators.

2.3 Within sixty (60) days of the receipt of the said Notice, one arbitrator shall be nominated in writing by SELLER and one arbitrator shall be nominated by BUYER.

2.4 The third arbitrator, shall be nominated by the parties within ninety (90) days of the receipt of the notice mentioned above, failing which the third arbitrator may be nominated under the provision of Indian Arbitration and Conciliation Act, 1996 (as amended from time to time) or by dispute resolution institutions like Indian Council of Arbitration or ICADR, at the request of either party, but the said nomination would be after consultation with both the parties. The arbitrator nominated under this Clause shall not be regarded nor act as an umpire.

2.5 The Arbitration Tribunal shall have its seat in New Delhi or such other place in India as may be decided by the arbitrator.

2.6 The Arbitration Proceedings shall be conducted in India under the Indian Arbitration and Conciliation Act, 1996 (as amended from time to time) and the award of such Arbitration Tribunal shall be enforceable in Indian Courts only.

2.7 The decision of the majority of the arbitrators shall be final and binding on the parties to this contract.

2.8 Each party shall bear its own cost of preparing and presenting its case. The cost of arbitration including the fees and expenses of the third arbitrator shall be shared equally by

the SELLER and the BUYER.

2.9 In the event of a vacancy caused in the office of the arbitrators, the party which nominated such arbitrator, shall be entitled to nominate another in his place and the arbitration proceedings shall continue from the stage they were left by the retiring arbitrator.

2.10 In the event of one of the parties failing to nominate its arbitrator within sixty (60) days as above or if any of the parties does not nominate another arbitrator within sixty (60) days of the place of arbitrator falling vacant, then the other party shall be entitled after due notice of at least thirty (30) days to request dispute resolution institutions in India like Indian Council of Arbitration and ICADR to nominate another arbitrator as above.

2.11 If the place of the third arbitrator falls vacant, his substitute shall be nominated according to the provisions herein above stipulated.

2.12 The parties shall continue to perform their respective obligations under this contract during the pendency of the arbitration proceedings except in so far as such obligations are the subject matter of the said arbitration proceedings.

### **ARBITRATION**

(For Central & State PSEs)

3. In the event of any dispute or difference relating to the interpretation and application of the provisions of the contracts, such dispute or difference shall be referred by either party for Arbitration to the sole Arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 (as amended from time to time) shall not be applicable to arbitration under this clause. The award of the Arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law & Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary/Additional Secretary, when so authorised by the Law Secretary, whose decision shall bind the Parties finally and conclusively. The Parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator.

### **ARBITRATION**

(For Defence PSUs)

4. In the event of any dispute or difference relating to the interpretation and application of the provisions of the contracts, such dispute or difference shall be referred by either party to the Arbitrator(s) appointed by Defence Secretary. The award of the Arbitrator(s) shall be binding upon the parties to the dispute.

### **FORCE MAJEURE**

4.1 Should any force majeure circumstances arise, each of the contracting party shall be excused for the non-fulfilment or for the delayed fulfilment of any of its contractual obligations,



if the affected party within **(30 days)** of its occurrence informs in a written form the other party.

4.2 Force majeure shall mean fires, floods, natural disasters or other acts such as war, turmoil, strikes, sabotage, explosions, beyond the control of either party.

4.3 Provided the acts of The Government or any state parties of the seller which may affect the discharge of the Seller's obligation under the contract shall not be treated as Force Majeure.

### **PENALTY FOR USE OF UNDUE INFLUENCE**

5.1 The Seller undertakes that he has not given, offered or promised to give, directly or indirectly any gift, consideration, reward, commission, fees brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contracts or forbearing to do or for having done or for borne to do any act in relation to the obtaining or execution of the Contract or any other Contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the Contract or any other Contract with the Government. Any breach of the aforesaid undertaking by the seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the seller) or the commission of any offence by the seller or anyone employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1988 or any other Act enacted for the prevention of corruption shall entitle the Buyer to cancel the contract and all or any other contracts with the seller and recover from the seller the amount of any loss arising from such cancellation. A decision of the buyer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Seller.

5.2 Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the seller towards any officer/employee of the buyer or to any other person in a position to influence any officer/employee of the Buyer for showing any favour in relation to this or any other contract, shall render the Seller to such liability/penalty as the Buyer may deem proper, including but not limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.

## INTEGRITY PACT

6.1 Further signing of an 'Integrity Pact' would be considered between government department and the bidder for schemes exceeding ₹20 Crores. The Integrity Pact is a binding agreement between the agency and bidders for specific contracts in which the agency promises that it will not accept bribes during the procurement process and bidders promise that they will not offer bribes. Under the IP, the bidders for specific services or contracts agree with the procurement agency or office to carry out the procurement in a specified manner. The essential elements of the IP are as follows: -

- (a) A pact (contract) between the Government of India (Ministry of Defence) (the authority or the "principal") and those companies submitting a tender for this specific activity (the "bidders");
- (b) An undertaking by the principal that its officials will not demand or accept any bribes, gifts, etc., with appropriate disciplinary or criminal sanctions in case of violation;
- (c) A statement by each bidder that it has not paid and will not pay, any bribes.
- (d) An undertaking by each bidder that he shall not pay any amount as gift, reward, fees, commission or consideration to such person, party, firm or institution (including Agents and other as well as family members, etc., of officials), directly or indirectly, in connection with the contract in question. All payments made to the Agent 12 months prior to tender submission would be disclosed at the time of tender submission and thereafter an annual report of payments would be submitted during the procurement process or upon demand of the MoD.
- (e) The explicit acceptance by each bidder that the no-bribery commitment and the disclosure obligation as well as the attendant sanctions remain in force for the winning bidder until the contract has been fully executed;
- (f) Undertakings on behalf of a bidding company will be made "in the name and on behalf of the company's chief executive officer.
- (g) The following set of sanctions shall be enforced for any violation by a bidder of its commitments or undertakings: -
  - (i) Denial or loss of contract;
  - (ii) Guarantee for Performance-cum-Warranty Bond **(after signing of contract.**
  - (iii) Payment to the Buyer of any such amount paid as gift, reward, fees or consideration along with interest at the rate of 2% per annum above LIBOR rate.
  - (iv) Refund of all sums already paid by the Buyer along with interest at the rate of 2% per annum above LIBOR rate.

(v) Recovery of such amount, referred to in (iii) and (iv) above, from other contracts of the Seller with the Government of India.

(vi) At the discretion of the Buyer, the Seller shall be liable for action as per extant policy on Putting on Hold, Suspension and Debarment of Entities.

(h) Bidders are also advised to have a company code of conduct (clearly rejecting the use of bribes and other unethical behaviour) and a compliance program for the implementation of the code of conduct throughout the company(j) The draft Pre-Contract Integrity Pact is attached as **Annexure I to this Appendix**. The vendors are required to sign them and submit separately along with the technical and commercial offers.

6.2 In respect of bids from DPSUs, the concerned DPSU shall enter in to a Pre-Contract Integrity Pact, on the same lines with their sub-vendors individually, in case the estimated value of each sub-contract(s) exceed ₹20 Crore and such subcontract(s) are required to be entered in to by the DPSU with a view to enable DPSU to discharge the obligations arising out of their bid in question in response to this RFP.

### **AGENTS**

7. The Seller confirms and declares to the Buyer that the Seller is the original manufacturer of the stores referred to in this contract. The Seller confirms that he has not engaged any person, party, firm or institution as an Agent including his Agents already intimated to MoD; to, influence, manipulate or in any way to recommend to any functionaries of the Government of India, whether officially or unofficially, to the award of the contract to the Seller, or to indulge in corrupt and unethical practices. The Seller has neither paid, promised nor has the intention to pay to any person, party, firm or institution in respect of any such intervention or manipulation. The Seller agrees that if it is established at any time to the satisfaction of the buyer that the present declaration is in any way incorrect or if at a later stage it is discovered by the Buyer that Seller has engaged any such person, party, firm or institution and paid, promised or has intention to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of this contract, the Seller will be liable for any or all of the following actions:-

(a) To pay to the Buyer any such amount paid as gift, reward, fees or consideration along with interest at the rate of 2% per annum above LIBOR rate.

(b) The Buyer will also have a right to put on hold or cancel the Contract either wholly or in part, without any entitlement or compensation to the Seller who shall in such event be liable to refund all payments made by the Buyer in terms of the Contract along with interest at the rate of 2% per annum above LIBOR rate.

(c) The Buyer will also have the right to recover any such amount referred in (a) and (b) above from other contracts of the Seller with the Government of India.

(d) At the discretion of the Buyer, the Seller shall be liable for action as per extant policy on Putting on Hold, Suspension and Debarment of Entities.

8. In case it is found to the satisfaction of the BUYER that the SELLER has engaged an Agent, or paid commission or influenced any person to obtain the contract as described in clauses relating to Agents and clauses relating to Penalty for Use of Undue Influence, the SELLER, on demand of the BUYER shall provide necessary information/inspection of the relevant financial documents/ information, including a copy of the contract(s) and details of payment terms between the vendors and Agents engaged by him.

**Annexure I to Appendix K**  
(Refers to Para 19 of RFP and  
6.1 (j) of Appendix K)

**PRE-CONTRACT INTEGRITY PACT**

**General**

1. Whereas the PRESIDENT OF INDIA, represented by Joint Secretary & Acquisition Manager (Army/Air Force/Maritime & Systems)/Major General & equivalent, Service Headquarters./Coast Guard, Ministry of Defence, Government of India, hereinafter referred to as the Buyer and the first party, proposes to procure (Name of the Equipment), hereinafter referred to as Defence Stores and M/s \_\_\_\_\_ represented by, \_\_\_\_\_ Chief Executive Officer (which term, unless expressly indicated by the contract, shall be deemed to include its successors and its assignees), hereinafter referred to as the Bidder/Seller and the second party, is willing to offer/has offered the Defence stores.

2. Whereas the Bidder is a private company/public company/partnership/registered export agency, constituted in accordance with the relevant law in the matter and the Buyer is a Ministry of the Government of India performing its functions on behalf of the President of India.

**Objectives**

3. Now, therefore, the Buyer and the Bidder agree to enter into this pre-contract agreement, hereinafter referred to as Integrity Pact, to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/unprejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:

3.1 Enabling the Buyer to obtain the desired defence stores at a competitive price in conformity with the defined specifications of the Services by avoiding the high cost and the distortionary impact of corruption on public procurement

3.2 Enabling Bidders to abstain from bribing or any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also refrain from bribing and other corrupt practices and the Buyer will commit to prevent corruption, in any form, by their officials by following transparent procedures.

**Commitments of the Buyer**

4. The Buyer commits itself to the following: -

4.1 The Buyer undertakes that, no official of the Buyer, connected directly or indirectly with the contract will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the Bidder, either for themselves or for

any person, organisation or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the Contract.

4.2 The Buyer will, during the pre-contract stage, treat all Bidders alike and will provide to all Bidders the same information and will not provide any such information to any particular Bidder which could afford an advantage to that particular Bidder in comparison to other Bidders.

4.3 All the officials of the Buyer will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

5. In case of any such preceding misconduct on the part of such official(s) is reported by the Bidder to the Buyer with full and verifiable facts and the same is prima facie found to be correct by the Buyer, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the Buyer and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the Buyer the proceedings under the contract would not be stalled.

### **Commitments of Bidders**

6. The Bidder commits himself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of his bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commits himself to the following:

6.1 The Bidder will not to offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Buyer, connected directly or indirectly with the bidding process, or to any person, organisation or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract.

6.2 The Bidder further undertakes that he has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Buyer or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the Contract or any other Contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the Contract or any other Contract with the Government.

6.3 The Bidder will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

6.4 The Bidder will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

6.5 The Bidder further confirms and declares to the Buyer that the Bidder is the original manufacturer/integrator/authorised government sponsored export entity of the Defence stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the Buyer or any of its functionaries, whether officially or unofficially to the award of the contract to the Bidder, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company or Agent in respect of any such intercession, facilitation or recommendation.

6.6 The bidder would not enter into conditional contract with any Agents, brokers or any other intermediaries wherein payment is made or penalty is levied, directly or indirectly, on success or failure of the award of the contract. The bidder while presenting the bid, shall disclose any payments he has made during the 12 months prior to tender submission or is committed to or intends to make to officials of the buyer or their family members, Agents, brokers or any other intermediaries in connection with the contract and the details of such services agreed upon for such payments. Within the validity of PCIP, bidder shall disclose to MoD any payments made or has the intention to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution as an annual report during the procurement process.

6.7 The Bidder shall not use improperly, for purposes of competition or personal gain or pass on to others, any information provided by the Buyer as part of the business relationship regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The Bidder also undertakes to exercise due and adequate care lest any such information is divulged.

6.8 The Bidder commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts. Complaint will be processed as per **Guidelines for Handling of Complaints** in vogue. In case the complaint is found to be vexatious, frivolous or malicious in nature, it would be construed as a violation of Integrity Pact.

6.9 The Bidder shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

## 7. **Previous Transgression**

7.1 The Bidder declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India.

7.2 If the Bidder makes incorrect statement on this subject, Bidder can be disqualified from the tender process or the contract and if already awarded, can be terminated for such reason.

8.1 In the case of successful bidder a clause would also be incorporated in the Article pertaining to Performance-cum-Warranty Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the Buyer to forfeit the same without assigning any reason for imposing sanction for violation of this pact.

8.2 The provisions regarding Sanctions for Violation in Integrity Pact include forfeiture of Performance-cum-Warranty Bond in case of a decision by the Buyer to forfeit the same without assigning any reason for imposing sanction for violation of Integrity Pact.

## 9. **Company Code of Conduct**

9.1 Bidders are also advised to have a company code of conduct (clearly rejecting the use of bribes and other unethical behaviour) and a compliance program for the implementation of the code of conduct throughout the company.

## 10. **Sanctions for Violation**

10.1 Any breach of the aforesaid provisions by the Bidder or any one employed by him or acting on his behalf (whether with or without the knowledge of the Bidder) or the commission of any offence by the Bidder or any one employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act 1988 or any other act enacted for the prevention of corruption shall entitle the Buyer to take all or any one of the following actions, wherever required.

(i) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the Bidder. However, the proceedings with the other Bidder(s) would continue.

(ii) Performance-cum-Warranty Bond **post signing of contract** shall stand forfeited either fully or partially, as decided by the Buyer and the Buyer shall not be required to assign any reason therefore.

(iii) To immediately cancel the contract, if already signed, without any compensation to the Bidder.

(iv) To recover all sums already paid by the Buyer, in case of an Indian Bidder with interest thereon at 2% higher than the prevailing Base Rate of SBI and in case of a Bidder from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the Bidder from the Buyer in connection with any other contract for any other defence stores, such outstanding payment could also be utilised to recover the aforesaid sum and interest.

(v) To encash the advance bank guarantee and Performance-cum-Warranty Bond if furnished by the Bidder, in order to recover the payments, already made by the Buyer, along with interest.



- (vi) To cancel all or any other Contracts with the Bidder.
- (vii) To Put on Hold or Suspend or Debar the bidder as per the extant policy.
- (viii) To recover all sums paid in violation of this Pact by Bidder(s) to any Agent or broker with a view to securing the contract.
- (ix) If the Bidder or any employee of the Bidder or any person acting on behalf of the Bidder, either directly or indirectly, is closely related to any of the officers of the Buyer, or alternatively, if any close relative of an officer of the Buyer has financial interest/stake in the Bidder's firm, the same shall be disclosed by the Bidder at the time of filing of tender. Any failure to disclose the interest involved shall entitle the Buyer to debar the Bidder from the bid process or rescind the contract without payment of any compensation to the Bidder. The term '**close relative**' for this purpose would mean spouse whether residing with the Government servant or not, but not include a spouse separated from the Government servant by a decree or order of a competent court; son or daughter or step son or step daughter and wholly dependent upon Government servant, but does not include a child or step child who is no longer in any way dependent upon the Government servant or of whose custody the Government servant has been deprived of by or under any law; any other person related, whether by blood or marriage, to the Government servant or to the Government servant's wife or husband and wholly dependent upon Government servant.
- (x) The Bidder shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the Buyer and if he does so, the Buyer shall be entitled forthwith to rescind the contract and all other contracts with the Bidder. The Bidder shall be liable to pay compensation for any loss or damage to the Buyer resulting from such rescission and the Buyer shall be entitled to deduct the amount so payable from the money(s) due to the Bidder.
- (xi) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the Buyer with the Bidder, the same shall not be opened.

10.2 The decision of the Buyer to the effect that a breach of the provisions of this Integrity Pact has been committed by the Bidder shall be final and binding on the Bidder, however, the Bidder can approach the Independent Monitor(s) appointed for the purposes of this Pact.

## 11. **Fall Clause**

11.1 The Bidder undertakes that he has not supplied/is not supplying the similar products, systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India and if it is found at any stage that the similar system or sub-system was supplied by the Bidder to any other Ministry/Department of the Government of India at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present

case and the difference in the cost would be refunded by the Bidder to the Buyer, even if the contract has already been concluded.

11.2 The Bidder shall strive to accord the most favoured customer treatment to the Buyer in respect of all matters pertaining to the present case.

## 12. Independent Monitors

12.1 The Buyer has **appointed Independent Monitors** for this Pact in consultation with the Central Vigilance Commission. The names and addresses of nominated Independent Monitors (at the time of issue of RFP) are as follows (however the vendor must refer to the MoD website at [www.mod.nic.in](http://www.mod.nic.in) to check for changes to these details):-

- (a) **Shri Ravikant, IAS/ Bihar** (1984) (Retd)  
Apartment No 502, Tower-1, M3M Merlin,  
Sector-67, Gurugram-122001(Haryana)  
Mob : 9953555566, **Email-** 84ravikant@gmail.com
- (b) **Dr. Prabhat Kumar, IAS/ UP** (1985) (Retd)  
C-120, Sector-39, Noida-201301  
Gautam Budh Nagar (Uttar Pradesh)  
Mob : 9810530048, **Email-** prabhatfamily@gmail.co
- (c) **Shri Chet Ram, IRS** (1985) (Retd)  
Flat No A-203, Building Gemini, Gladys Alwares Marg,  
Hiranandani Meadows, Off-Pokhran Road No.2,  
Thane (W), Maharashtra-400610  
Mob : 9869479987, **Email-** cr\_koli@yahoo.com

12.1A All communications to Independent Monitors will be copied to Director (Vigilance). The Designation and Contact details of Director (Vigilance) are as follows: -

Director (Vigilance)  
Room No 340,  
B Wing, Sena Bhawan  
New Delhi 110011  
Tel No - 011 – 23012304

12.2 After the Integrity Pact is signed, the Buyer shall provide a copy thereof, along with a brief background of the case to the Independent Monitors, if required by them.

12.3 The Bidder(s), if they deem it necessary, may furnish any information as relevant to their bid to the Independent Monitors.

12.4 If any complaint with regard to violation of the IP is received by the buyer in a procurement case, the buyer shall refer the complaint to the Independent Monitors for their comments/enquiry.

12.5 If the Independent Monitors need to peruse the relevant records of the Buyer in connection with the complaint sent to them by the Buyer, the Buyer shall make

arrangement for such perusal of records by the Independent Monitors.

12.6 The report of enquiry, if any, made by the Independent Monitors shall be submitted to the head of the Acquisition Wing of the Ministry of Defence, Government of India for a final and appropriate decision in the matter keeping in view the provision of this Pact.

13. **Examination of Books of Accounts**

In case of any allegation of violation of any provisions of this Integrity Pact or payment of commission, the Buyer or its agencies shall be entitled to examine the Books of Accounts of the Bidder and the Bidder shall provide necessary information of the relevant financial documents in English and shall extend all possible help for the purpose of such examination.

14. **Law and Place of Jurisdiction**

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the Buyer i.e. New Delhi.

15. **Other Legal Actions**

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

16. **Validity**

16.1 The validity of this Integrity Pact shall be from date of its signing and extend up to 5 years or the complete execution of the contract to the satisfaction of both the Buyer and the Bidder/Seller, whichever is later.

16.2 Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

17. The Parties hereby sign this Integrity Pact at \_\_\_\_\_ on

BUYER

BIDDER

\_\_\_\_\_  
MINISTRY OF DEFENCE,  
GOVERNMENT OF INDIA

\_\_\_\_\_  
CHIEF EXECUTIVE OFFICER

Witness

1. \_\_\_\_\_  
2. \_\_\_\_\_

Witness

1. \_\_\_\_\_  
2. \_\_\_\_\_

**Appendix L**  
(Refers to Para 6 of RFP)

**CRITERIA FOR VENDOR SELECTION / PRE-QUALIFICATION**  
**FOR - RFP ISSUE / INCLUSION IN RFP REQUIREMENTS**

1. The following parameters may be used, as a guideline for the Collegiate to adopt, for inclusion in the RFP.

<b><u>Sl No</u></b>	<b><u>Parameter</u></b>	<b><u>For all Cases except Shipbuilding (Ch XII), Make (Ch III &amp; IV) and Strategic Partnerships (Ch VII)</u></b>
<b>1</b>	<b>Financial</b>	
a	Net Worth	Net worth should be positive.
b	Insolvency	The entity should not be under insolvency resolution as per IBC at any stage of procurement process from the issuing of RFP to the signing of contract.
<b>2</b>	<b>Technical</b>	
a	Nature of Business	Manufacturing entity or System Integrator of defence equipment and not a trading company, except in cases where OEM participates only through its authorised Vendors.
b	Experience in related field	Min 02 Yrs experience in manufacturing, integration and installation of vehicle simulators as applicable in the instant case.
<b>3</b>	<b>Others</b>	
a	Industrial License (If applicable)	Possess or be in the process of acquiring a license, if the product under project requires license as per DIPP licensing policy.
b	Registration	Registered for Min 02 Years, 01 years for MSMEs. Min no of years not applicable for JVs constituted specifically for a project

**Appendix M**

(Refers to Para 51 of RFP)

**DOCUMENTS TO BE SUBMITTED BY THE BIDDER ALONG WITH THEIR TECHNO-COMMERCIAL PROPOSALS**

The list of documents which needs to be mandatorily submitted by the Bidders as part of Technical Proposal are placed below. Non-submission of the documents may result in disqualification of the Bidder from the bidding process.

<b>Ser No.</b>	<b>Reference</b>	<b>Document Description</b>
1	Para 5 (a) of RFP	Declaration by Bidder : Debarment of Bidders
2	Para 16 of RFP	Declaration by Bidder: Government Regulation
3	Para 18 of RFP	Declaration by Bidder : Patent Rights
4	Para 20 of RFP	Declaration by Bidder : Fall Clause
5	Para 27 of RFP	Technical document covering performance parameters.
6	Appendix B	Compliance Table
7	Appendix C	Warranty Clause
8	Appendix D	CERTIFICATE: Malicious Code
9	Annexure I to Appendix E	Technical Literature
10	Annexure II to Appendix E	Training Aggregates
11	Annexure III to Appendix E	ISPPL
12	Appendix G	Draft ATP
13	Appendix J	Bid Evaluation and Acceptance Criteria
14	Annexure I to Appendix K	Pre-Contract Integrity Pact
15	Appendix L	Criteria for Vendor Selection/ Pre-Qualification
16		Any other document as per RFP

**Appendix N****GLOSSARY**

AoN	Acceptance of Necessity
ATP	Acceptance Test Procedure
CMC	Comprehensive Maintenance Contract
DGQA	Director General of Quality Assurance
DAP	Defence Acquisition Procedure
ESP	Engineering Support Package
FTI	Freight Transit Insurance
Gol	Government of India
IC	Indigenous Content
IM	Indigenously Manufactured
IP	Integrity Pact
ISPPL	Itemised Spare Parts Price List
EMD	Earnest Money Deposit
LRU	Line Replaceable Unit
MoD	Ministry of Defence
NCNC	No Cost No Commitment
OEM	Original Equipment Manufacturer
OTE	Open Tender Enquiry
PCIP	Pre Contract Integrity Pact
QA	Quality Assurance
RFP	Request for Proposal
SPB	Services Procurement Board.
SHQ	Service Headquarters